# PHASE I ENVIRONMENTAL SITE ASSESSMENT Baker Ranch Property Lake Forest, California 92630

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# **FIGURES**

Figure 1 Site Location

Figure 2 Site and Vicinity Map

# **APPENDIXES**

- A EDR Regulatory Database Report
- **EDR Historical Reports** B –
- C –
- Site Photographs
  Selected Documentation D –

# PHASE I ENVIRONMENTAL SITE ASSESSMENT Baker Ranch Property Lake Forest, California

# 1. INTRODUCTION

Lexington Geoscience is pleased to submit this Environmental Site Assessment (ESA) for the property referenced above in the city of Lake Forest, California (Site) (Figure 1). The property consists approximately 378 acres of land that is located north of Bake Parkway between the 241 Toll Road and Commercecentre Drive (Figure 2).

This ESA is intended to evaluate the Site for potential Recognized Environmental Conditions that may be present at the Site and was prepared in support of due diligence activities related to a change in use from commercial to residential as a result of a recent rezoning.

# 1.1. Objective

In accordance with the American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments, the objective of the ESA is to assess, to the extent feasible under the standard, the likelihood that Recognized Environmental Conditions (RECs), as defined by ASTM, are present at the Site.

A Recognized Environmental Condition "means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies" (ASTM Standard Practice E1527-05). Performance of a Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for Recognized Environmental Conditions in connection with a property, within reasonable limits of time and cost. RECs do not include asbestos containing materials in or lead based paint on buildings.

All appropriate Inquires (AAI) as defined in the Final Rule (40 CFR, Part 312), must be conducted by persons seeking the landowner liability protections under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) prior to acquiring a property or seeking or receiving federal brownfields grants under the authorities of CERCLA. The purpose of AAI, as defined in the AAI Final Rule, is to identify releases and threatened releases of hazardous substances which cause or threaten to cause the incurrence of response costs. The U.S. Environmental Protection Agency

(EPA) has stated that ASTM Standard E-1527-05 is consistent with the Standards and Practices for AAI, and is compliant with the statutory criteria for AAI.

# 1.2. Scope of Services, Methodology and Limitations

The findings of this ESA must be viewed in recognition of certain limiting conditions. The scope of work commissioned for this project does not represent an exhaustive study, but rather a reasonable inquiry, consistent with good commercial practice, in general accordance with ASTM Practice E-1527-05.

The scope of work for this ESA included the following activities:

- A site walk to document the current condition of the Site and neighboring facilities.
- Interviews of personnel familiar with the Site.
- Review of a regulatory database report.
- Review of historical reports including aerial photographs, and topographic maps.
- Research concerning the Site at various local agencies.
- Prepared this report of findings.

In the course of this assessment, Lexington Geoscience has relied on information provided by outside parties, such as regulatory agencies, previous reports and interview sources. For the purpose of this assessment, such third-party information is assumed to be accurate unless contradictory evidence is noted, and Lexington Geoscience does not express or imply any warranty regarding information provided by third-party sources. The EDR Regulatory Database Report is included in Appendix A; the EDR provided historical documents including: historical aerial photographs, historical topographic maps, Sanborn maps, and directory search results are included in Appendix B; a selection of Site photographs are included in Appendix C; and selected documentation reviewed is included in Appendix D.

# 2. SITE DESCRIPTION

The Site is an irregular shaped approximately 387 acre property that is partially graded but undeveloped except for a number of small structures (sales office, storage and two residences) related to a nursery that occupies the northwestern portion of the overall property. There is also an approximately 13 acre paved area used primarily for recreational vehicles on the Site located north of Bake Parkway and west of Baffin Bay Drive. Work is ongoing for the extension of Alton Parkway between Towne Centre Drive on the northeast, through the Site, and connecting to Irvine Boulevard west of the Site.

The vicinity of the Site is primarily relatively recent commercial developments and an undeveloped open space to the northwest, formerly a part of the Marine Corps Air Station (MCAS) El Toro, and now listed as being owned by the Federal Aviation Administration.

# 2.1. Site Setting

While several of the current occupants of the Site have addresses the overall Site has no specific address. It is generally situated between Towne Centre Drive on the northeast and Commercecentre Drive to the southwest and extends from Bake Parkway to the Borrego Wash Canyon, in Lake Forest, California (Figure 1). Approximately 50% of the Site has been graded, primarily the eastern and southern portions including the vehicle storage facility (Baker Ranch RV Storage, 25690 Baffin Bay Drive, Lake Forest, CA 92630). The remainder of the Site is primarily agricultural with the remnants of avocado orchards and an ongoing wholesale/retail nursery operation. There are a number of buildings associated with the nursery operation including a sales office, shade structures, portable agricultural chemical storage buildings, a cluster of maintenance buildings and vehicle storage area near the southerly end of the facility. While much of the nursery area appears to be on bare ground, a considerable portion of the area may actually be paved and that paving covered with dirt.

There are also two occupied residences located on the Site, one located on a small hill near the central portion of the nursery or the northwestern portion of the overall site, and a second located on an elevated area northeast of the nursery and somewhat more central to the overall Site. Each residence has several small out buildings and storage areas. Neither of the occupied residences was accessed during the Site visit on March 2, 2011. Observed Site features are presented on Figure 3.

Construction for the extension of Alton Parkway was ongoing with work being undertaken along the entire length of the Site. Office trailers and parking for the roadway construction are located off of the Site at the northern end of the improved portion of Commercecentre Drive. The completed extension of Alton Parkway crosses the Site as well as portions of MCAS El Toro. The construction work is being undertaken by Suket Construction on behalf of the County of Orange, grading operations are being observed by AECOM.

# 2.2. Geology and Hydrogeology

The Site lies marginally within the far eastern limits of the Orange County Groundwater Basin which in turn is bounded by the Puente Hills, Santa Ana Mountains, San Joaquin Hills, Pacific Ocean and the topographic divide along the Los Angeles - Orange County boundary. Based on investigations at several nearby land disposal sites at the adjacent MCAS El Toro, groundwater is found in both the Miocene rock beneath the Site as well as within the overlying alluvium (Fife, 1974).

Overall groundwater gradient within the east end of the Orange County Groundwater Basin is to the west or slightly southwest (<a href="http://www.ocwd.com">http://www.ocwd.com</a>). However, locally in

the vicinity of the Site groundwater investigations (BRAC, 2009) have indicated that the groundwater gradient follows the general topography and may be assumed to be toward the south or south-southwest. At the southern end of the Site with a groundwater elevation of approximately 480 feet above mean seal level (MSL), the records indicate a rather steep gradient of approximately 10 feet vertically per 250 to 300 feet horizontally (0.04 to 0.03 ft/ft). EDR searched public records for evidence of water wells in the vicinity of the Site and found no well records.

Elevation at the Site is quite varied and ranges from approximately 550 feet to 800 feet above MSL. The overall topography in the vicinity of the Site slopes to the southwest.

Drainage for the northwestern portion of the Site is by surface flow to the southwest along Borrego Wash where runoff drains onto the MCAS El Toro and Musick Honor Farm then eventually into the regional stormwater system. The remainder of the Site appears to drain to the south and to the regional stormwater system along Bake Parkway and into Serrano Creek. The nearest surface waters are the artificial water bodies along Bake Parkway and Jeronimo Road and near Lake Forest Drive and Muirlands Boulevard, approximately two and one-half miles southeast of the Site.

# 3. USER PROVIDED INFORMATION

# 3.1. Reason for Performing the Phase I

The reallocation of the MCAS El Toro property from military use and the elimination of the future use as a civil aviation facility have removed the basis for the land use restrictions imposed by the County because of the noise and potential safety issues associated with flight operations. This change in use of MCAS El Toro has allowed the Site owners to request and be granted a change in land use for the Site from commercial to residential. Because of this change in land use, the owners have requested an updated Phase I Environmental Assessment.

# 3.2. Owner, Property Manager and Occupant Information

The Site owners have provided Lexington Geoscience with the following:

- A copy of an ALTA survey dated March 18, 1999 which predates the partial grading operations that cover a portion of the Site
- The text of a Phase I Environmental Assessment for the Site performed by McLaren Hart Environmental dated March 2, 1999
- The text of a Limited soil screening Evaluation at the Site performed by McLaren
   Hart Environmental dated March 19, 1999

#### 3.3. Title Records

Title records were not available to Lexington Geoscience for review. Title records are generally used to help establish Site history back to "first use" as well as to document prior activities and any recorded use limitations. Other records such as topographic maps and aerial photographs were available and establish the Site history to undeveloped agricultural use.

# 3.4. Environmental Liens or Activity and Use Limitations

Mr. Gene Spindler of Shea/Baker Ranch Associates, LLC. reported that there were no known environmental liens or activity and use limitations for the Site. In addition, no environmental liens for the Site were found in the EDR database search (Appendix A). Databases searched for environmental liens include NPL Liens, Liens 2 (CERCLA Liens), U.S. Engineering Controls, Institutional Controls, LEINS (environmental liens for California where DTSC is a lien holder), and DEED (DTSC records that indicate properties with deed or land use restrictions).

# 3.5. Specialized Knowledge of User

Shea/Baker Ranch Associates, LLC was not aware of any specialized knowledge or experience that would be material to Recognized Environmental Conditions in connection of the property other than the documentation outlined in Section 3.1.

#### 3.6. Value Reduction for Environmental Issues

Shea/Baker Ranch Associates, LLC reported that the purchase price reflected fair market value and that there has been no value reduction of the Site for environmental issues associated with the Site.

#### 3.7. Other

No other information was provided by the Site owner.

#### 4. SITE USE AND HISTORY

Interviews and historical records reviewed and discussed below were used to construct the Site history. Historical documents indicate that the Site and immediate vicinity were undeveloped or pasture land until the late 1950s to early 1960s when portions were planted with citrus orchards. Several buildings including the two remaining on-Site residences and one residence now demolished and in a graded portion of the Site were developed in connection with the citrus growing operations. By 1980 the citrus growing operations had been augmented with avocado orchards covering the steeper slopes within the Site. By 1980 nursery operations were also undertaken on the southern portion of the Site north of Bake Parkway north of the intersection with Dimension Drive. By 1997 the Baker Ranch RV Storage facility appears to have been developed. By 2002 the citrus growing areas on the Site had been removed with only portions of the avocado growing areas remaining. Grading to its current limits had been undertaken and the former citrus

growing area along Borrego Creek converted to nursery operations. The Site remains much as it was in 2002 with the exception of the recent grading work associated with the extension of Alton Parkway between Towne Centre Drive and Irvine Boulevard.

# 4.1. Aerial Photograph Review

Aerial photographs covering the Site were obtained from Environmental Data Resources, Inc. (EDR). Photographs were available from the period 1938 through 2005. Copies of the aerial photographs are included in Appendix B. A summary of the observations noted for the aerial photographs is as follows:

<b>Year</b> 1938	Observations  The Site appears to be agricultural consisting primarily of fields and pasture, portions of the steeper drainage areas appear to have been terraced. No buildings, improved roads or other structural improvements can be identified. The adjoining area appears similar to the Site. The area south of Bake Parkway (not developed at the time) and now occupied by Nakase Brothers Wholesale Nursery is developed as what appears to be citrus orchards.
1946	The Site and Site vicinity appear generally the same as in the 1938 photograph.
1953	The Site and Site vicinity appear generally the same as in the 1938 and 1946 photographs.
1968	The Site has been partially developed with orchards and there are three residences, the two still present at the Site and a third located to the southeast in what is now a graded area. Access to the Site appears to be along an unimproved roadway extending from the southeast into the Site near the present entrance off of Towne Centre Drive and a second more or less parallel unimproved roadway connecting the three residences and extending to the east. Very little of the Site vicinity is shown on this photograph.
1977	The Site appears much as it is in the 1968 photograph. There appears to be additional areas, mostly steeper slopes, planted as avocado orchard. The Site vicinity appears much as in previous photographs, the area northwest of the Site, a part of MCAS El Toro, is clearly demarked from the Site and many trails or unimproved roadways can be seen in that area.
1990	The majority of the Site appears much as it is in the 1977 photograph. The avocado orchard areas appear to be more

extensive and matured and a clearing has been made in the citrus orchard south of the westernmost residence. There also appears to be on grade storage or nursery operations in the area now occupied by Baker Ranch RV Storage and the self storage facilities located off of what is now Baffin Bay Drive and north of Bake Parkway. There appears to be some on Site grading associated with the development of Bake Parkway.

The Site vicinity has changed dramatically, grading for Bake Parkway and the commercial development to the south of the Site are underway. The two water reservoirs or tanks located southeast of the Site have been developed and the orchard located at what is now Nakase Brothers Wholesale Nursery has been replaced by nursery operations.

1994

The Site appears to be essentially the same as in the 1990 photograph. The far southern end of the nursery appears to be a green waste processing facility. The Baker Ranch RV Storage can be seen as being occupied.

Site vicinity changes include the completion of Bake Parkway and all of the roadways for the commercial developments along it although none of the commercial buildings have been developed. The area northeast of the Site has been graded and the alignment of the 241 Toll Road can be seen along with Alton Parkway and Towne Centre Drive. Two retail buildings and attendant parking areas northeast of the toll road appear to have been completed at this time.

2002

The Site has been partially graded, approximately to its current extent. Only remnants of the citrus and avocado orchards remain and the current nursery operations have replaced parts of the orchards. The easternmost on Site residential structure has been removed and the area graded. Offices for the nursery operations and the maintenance and service buildings south of the westernmost residence have been developed. The green waste operation appears to have been relocated from the southern end of the nursery to an area approximately 500 feet southeast of the westernmost residence.

Site vicinity changes include the completion of development of the commercial buildings along Bake Parkway and the commercial development (A. J. West Ranch) located along Rancho Parkway southeast of the Site. The commercial developments located northeast of the Site along Towne Centre Drive and Alton Parkway has also been completed. The roadways within the portion of MCAS El Toro that borders the Site to the northwest appear to be less used and in part overgrown.

2005

The Site and Site vicinity appear much the same as in the 2002 photograph. The remaining citrus orchard, located southeast of the westernmost residence, has been removed and replaced with a green waste or mulch/composting operation.

The second of the two self storage facilities (adjoining Baker Ranch RV Storage) located off of Baffin Bay Drive north of Bake Parkway has been completed. The roadways within the portion of MCAS El Toro that borders the Site to the northwest appear to be disused and in part overgrown.

# 4.2. Sanborn Map Review

Sanborn Maps are historical maps of building features and uses prepared for the insurance industry at the time to help assess risk. There is no Sanborn Map coverage for the Site. However, please note that historical and present Site features are included in many of the other historical sources used for this ESA.

# 4.3. Topographic Map Review

Historical topographic maps covering the Site were obtained from Environmental Data Resources, Inc. (EDR). Maps were available for the following years:

- 1901
- 1902
- 1942
- 1968
- 1978
- 1981
- 1982
- 1997

No structural or other features were observed on the Site other than those that were noted on the aerial photographs discussed above.

# 4.4. EDR City Directory Review

EDR performed a search of the Haines Criss-Cross Directory records for the following years:

- 1975
- 1982
- 1989
- 1995
- 2007

No information was found.

# 4.5. Previous Investigations

The following reports covering the Site were made available to Lexington Geoscience:

- Phase I Environmental Assessment for the Site performed by McLaren Hart Environmental dated March 2, 1999 (includes text only)
- Limited Soil Screening Evaluation at the Site performed by McLaren Hart Environmental dated March 19, 1999 (includes text, figures and laboratory reports)

Additionally Lexington Geoscience was provided with the following:

• A copy of an ALTA survey dated March 18, 1999 and predating the grading operations that cover a portion of the Site.

Copies of these reports are included in Appendix D. The key points and findings of the McLaren – Hart Environmental Phase I Environmental Assessment are summarized below.

# 4.5.1. McLaren – Hart Environmental, March 2, 1999. Phase I Environmental Assessment, Shea Properties, Tentative Tract 13336, Baker Ranch, Lake Forest, California 92630

McLaren – Hart Environmental (McLaren) conducted a Phase I ESA for the Site in 1999 in general conformance with ASTM E 1527-97 Standard Practice for Environmental Site Assessments. It appears that the Site use was similar to the uses today. McLaren concluded the following:

- The Site comprised approximately 370 acres of land approximately half of which
  was under cultivation or used for nursery operations. Nursery operations were
  estimated at approximately 75 acres and approximately 110 acres were planted in
  avocado trees.
- There were three residences (original addresses of 20745, 20747 and 20749 Canada Road: Note that these addresses no longer coincide with the residences at the Site) and two maintenance buildings on site at the time. Plumbing permits

issued in 1980 (well after the construction of the on Site residences) included a leach field and septic tank.

- The Baker Ranch RV storage facility was in operation at the time.
- Water was supplied by the Los Alisos Water District and there were no known water productions wells at the Site.
- Agricultural chemicals such as fertilizers and pesticides were stored and used on the Site as were fuels (gasoline and diesel) and maintenance materials such as paint, paint thinner, welding supplies, lubricants, and hydraulic fluids.
- Used oil is stored in containers labeled with CAL000429387 identification.
- Gasoline storage required a South Coast Air Quality Management District permit and fuel (gasoline and diesel) was stored in above ground storage tanks.
- A former 10,000 gallon underground storage tank (UST) had been removed under Orange County Health Care Agency oversight in 1991 and documented in a report dated May 1992 prepared by Ami Adini & Associates, Inc. No soil impacts were found and the OCHCA closed the file with no further action required. Information available to McLaren at the time seemed to indicate a second UST, tank T-2, may have been located in the general area of the then removed UST. Further research by McLaren and reported in their March 19, 1999 report, described below, indicated that the tank T-2 was a former UST removed from an off Site location, stored above ground at the Site, and later removed. Note: Neither the EDR records review for the current Phase I ESA nor the Vista report obtained by McLaren Phase I ESA listed the UST 1991 removal. The area where the UST was located is approximately 500 feet southwest of the southerly of the two off Site water tanks located along Rancho Parkway South and was subsequently included in the 2002 grading.
- Several internal combustion engine driven wind frost machines are still on the Site, these may have been fueled by gasoline or diesel in the past but were either out of service or had been converted to electrical power.
- Pole mounted transformers were located throughout the Site.
- Off Site potential issues include several land disposal units located to the west on the MCAS El Toro.

# 4.5.2. McLaren – Hart Environmental, March 19, 1999. Results of Limited Soil Screening Evaluation of Baker Ranch, Tentative Tract 13336, Lake Forest, California

Based on the findings of the Phase I ESA McLaren conducted additional work at the Site to include soil sampling and laboratory analysis for likely chemicals of concern at the areas sampled. McLaren's work and findings included the following:

- Three Geoprobe sampling locations were advanced near above ground storage tank T-2 depicted in the Ami Adini & Associates, Inc., 1992 UST removal report. Samples were collected at 0.5 and 4 feet below ground surface (BGS). The 0.5 foot samples were submitted for laboratory analysis of fuel hydrocarbons and oxygenate additives by EPA Methods 8015m and 8021. No chemicals were reported as being detected and the 4-foot samples were not analyzed.
- Two Geoprobe sampling locations were advanced near the maintenance yard fertilizer tanks (no longer on the site at this location). Samples were collected at 0.5 and 5 feet BGS. The 0.5 foot samples were submitted for laboratory analysis of zinc by EPA Method 6010/7000. The concentrations of zinc reported, 19.8 and 20.9 milligrams per kilogram (mg/kg) or parts per million (ppm) are within what would be expected as background for soil and the 5-foot samples were not analyzed.
- Six Geoprobe sampling locations were advanced near the above ground petroleum and pesticide storage tank area (these are no longer at this location). Samples were collected at 0.5 and 5 feet BGS. The 0.5 foot samples were submitted for laboratory analysis of fuel hydrocarbons and oxygenate additives by EPA Methods 8015m and 8021 and pesticides by EPA Method 8080. No chemicals were reported as being detected and the 5-foot samples were not analyzed.
- Five Geoprobe sampling locations were advanced near the pesticide storage shed (no longer at this location). Samples were collected at 0.5 and 5 feet BGS. The 0.5 foot samples were submitted for laboratory analysis of pesticides by EPA Method 8080. No chemicals were reported as being detected and the 5-foot samples were not analyzed.
- Three Geoprobe sampling locations were advanced near the pesticide mixing (no longer at this location). Samples were collected at 0.5 and 5 feet BGS. The 0.5 foot samples were submitted for laboratory analysis of pesticides by EPA Method 8080. No chemicals were reported as being detected and the 5-foot samples were not analyzed.
- Three Geoprobe sampling locations were advanced near the shop fuel storage tanks and containment area. Samples were collected at 0.5 and 5 feet BGS except at one location where the probe could not be advanced below 2-feet. The 0.5 foot samples were submitted for laboratory analysis of fuel hydrocarbons and

oxygenate additives by EPA Methods 8015m and 8021. No chemicals were reported as being detected and the 4-foot samples were not analyzed.

- Eight Geoprobe sampling locations were advanced within the scrap lay-down area. Samples were collected at 0.5 and 5 feet BGS. The 0.5 foot samples were submitted for laboratory analysis of fuel hydrocarbons and oxygenate additives by EPA Methods 8015m and 8021 and pesticides by EPA Method 8080. No chemicals were reported as being detected and the 5-foot samples were not analyzed.
- Six hand auger sampling locations were advanced to a depth of approximately 3 feet with samples collected at 0.5 and 3 BGS (the report indicates 5 feet but the borings were reported to be only 3 feet deep). The 0.5 foot samples were submitted for laboratory analysis of pesticides by EPA Method 8080. No chemicals were reported as being detected and the deeper samples were not analyzed.

# 4.5.3. Evaluation of Previous Reports

Based on our review of the text only, it is Lexington Geoscience's judgment, McLaren's Phase I ESA is thorough and complete meeting the ASTM requirements in place at the time. Several potential areas of concern were noted as being potential concern because of past and ongoing use and/or storage of fuel, fertilizer and pesticides. These areas were subsequently assessed by collecting soil samples and submitting those samples for the appropriate chemical analysis.

The laboratory analytical results reported for the samples collected indicated that there were no impacts associated with the features assessed. However, the location of the former UST was not included in the McLaren investigation. The area where the UST was located is approximately 500 feet southwest of the southerly of the two off Site water tanks located along Rancho Parkway South and was subsequently included in the 2002 grading. A comparison of elevations for the approximate location of the former UST shown on the 1999 ALTA survey of approximately 815 feet above MSL and the current post-grading elevation of the area of approximately 800 feet above MSL indicates that the area is now approximately 15 feet lower than it was pre-grading. Geotechnical requirements likely resulted in a minimum of 5 feet of additional removal, possibly more, prior to placing fill making it likely that any unassessed impacted soil, had there been any, associated with the former UST or anywhere in the general area was obliterated during grading. Also, had there been any fuel impacted soil, the grading process would have mixed and spread that soil sufficiently to make it very unlikely that detectable concentrations would remain within the graded area.

#### 5. SITE AND VICINITY RECONNAISSANCE

#### 5.1. Site Reconnaissance and Interviews

Lexington Geoscience conducted a site reconnaissance of the Site on November 6, 2007 by Mr. David Henry of Lexington Geoscience. The drive and walk-through inspection

was conducted at the Site to identify visible evidence of Recognized Environmental Conditions of concern. Lexington Geoscience was unaccompanied at the time but follow up phone interview with Mr. Michael Guzman of Baker Ranch described the operations conducted at the facility, and some of the facility history. Selected photographs illustrating the property conditions are included in Appendix C. Summaries of the Site and observations are detailed below.

Lexington Geoscience had full access to the Site with no limiting conditions. Observations of neighboring properties were from the vantage of public right of ways.

# 5.1.1. Description and Use of the Property

Approximately half of the Site was graded during 2002 and the remainder is ungraded with work for the extension of Alton Parkway ongoing at the time of reconnaissance. The Site is currently used in part for:

- Vehicle storage (+/- 13 acres of paved area)
- Wholesale nursery growing operations (+/- 50 acres),
- Avocado orchard (+/- 10 acres), and
- Two residences.

The far northwest portion of the site and the area northwest of the current drainage for Borrego Creek is part of the Borrego open space and will remain so indefinitely. The general limits of the various Site uses are shown on Figure 3.

**Baker Ranch RV Storage** - This facility is located at 25690 Baffin Bay Drive, is a fenced and on grade vehicle storage facility. There is a single small portable office building located at the north end of Baffin Bay Drive. There is also a sanitary sewer connection and dump station for recreational vehicles' sanitary system holding tanks. No other improvements other than paved drive aisles and gravel covered parking areas were observed (see photographs 1 through 4 in Appendix C). There were no indications of vehicle servicing, storage or disposal of potentially hazardous materials or fuel, or other indications of improvements or uses that would be of concern as potential sources of releases of potentially hazardous materials. No staining indicative of improper disposal at the dump station was noted.

Miramar Wholesale Nurseries and TruGreen LandCare – The nursery operation extends across a sizable portion of the Site with the offices being located at 19480 Baker Ranch Road. A portion of the overall nursery operation is occupied by offices for TruGreen LandCare, a commercial lawn and landscape service. There are a number of buildings associated with the nursery operation including a sales office near the north end of the operation, several empty portable agricultural chemical storage buildings (photograph 5 in Appendix C), various shade structures, a cluster of maintenance

buildings and the TruGreen office building as well as vehicle storage and a fuel storage area near the southerly end of the facility (photographs 6 and 7 in Appendix C).

Fuel is stored in 300 gallon above ground storage tanks with secondary containment and used oil is also stored on the secondary containment for one of the fuel tanks (see photographs 8 through 11 Appendix C). Materials used in the maintenance area include welding supplies, lubricants, and general household cleaning supplies. Several bags of lawn fertilizer were also stored in the area. Pesticides and other chemicals used in the growing operation and by TruGreen were stored in locked cargo containers.

While much of the nursery area appears to be on bare ground a considerable portion of the area along the southeastern side of the operation generally along the main access road and parking area may actually be paved and that paving covered with dirt.

Growing operations consist of on ground storage and tending of plants in various containers ranging from flats containing seedlings through 1, 5 and 15 gallon containers and trees, shrubs and palms in 24, 36 and 48 inch boxes (see photographs 12 and 13 in Appendix C). There are several shade structures for growing plants not suited to full sun (see background in photograph 9 in Appendix C) as well as concrete holding structures for separating and storing various types of mulch and growing medium.

Several wind generating machines formerly used for frost control within the citrus growing operations remain at the Site. Several of these have an internal combustion engine mounted on a support pole (see photograph 14 in Appendix C) and others have electric motors. Mr. Michael Guzman of Baker Ranch indicated that the fuel to operate the internal combustion engines was supplied by filling small portable tanks at each machine and not through a general piping system from a central source.

**Avocado orchard** – Approximately 10 acres of producing avocado orchard remain at the Site, the orchard is located on a southward facing slope south of the nursery maintenance buildings and TruGreen offices.

**Residences** - There are also two occupied residences located on the Site, one located on a small hill near the central portion of the nursery or the northwestern portion of the overall site, and a second located on an elevated area northeast of the nursery and somewhat more central to the overall Site. Each residence has several small out buildings and storage areas (see photographs 15 through 117 in Appendix C). Neither of the occupied residences was accessed during the Site visit on March 2, 2011.

Construction Operations - During the Site visit on March 2, 2011 construction for the extension of Alton Parkway was ongoing with work being undertaken along the entire length of the Site. Office trailers and parking for the roadway construction are located off of the Site at the northern end of the improved portion of Commercecentre Drive. The completed extension of Alton Parkway crosses the Site as well as portions of MACS El Toro. The construction work is being undertaken by Suket Construction on behalf of the

County of Orange, grading operations are being observed by AECOM on behalf of the County of Orange and MCAS El Toro.

Summaries of the site operations and observations are detailed below.

# Underground and Above Ground Storage Tanks

No USTs were observed at the Site. However, one UST was removed from the southern and now graded portion of the Site in 1991.

Two approximately 300 gallon above-ground storage tanks for gasoline and diesel fuel are present in the nursery maintenance area. The fuel is used for equipment used in the nursery operations.

# Hazardous Materials, Hazardous Wastes or Petroleum Products

Oils and lubricants are stored in various size containers in the maintenance area and used oil is stored in labeled drums at the secondary containment area for the fuel storage tanks (see photographs 8 through 11 in Appendix C). No significant staining was noted on the floors in these areas.

Pesticides and fertilizers used in the growing operations are stored in locked cargo containers located near the nursery maintenance area.

# Drains, Drain lines, Sumps and Septic Systems

No drains or sumps were observed at the Site. Both residences are reported to have septic tank type systems and in some cases these systems have been used for the disposal of unused agricultural chemicals and septic systems are prone to leakage.

#### **Transformers**

Several pole mounted transformers are located on the overall Site; there is at least one transformer for each of the residences and others that appear to have been used in connection with the wind generating machines. These transformers appear to have been installed by Baker Ranch when the Site was developed as citrus orchard and the residences were built sometime prior to 1968 and could contain PCBs. The transformers appear to be intact and not leaking but should be sampled and properly managed when they are no longer needed.

# Pits, Ponds, Lagoons

No pits, ponds, or lagoons other than the stormwater retention systems required for the Alton Parkway construction were observed at the Site.

#### Utilities

The water supply to the Site is currently through a municipal water connection provided by the Irvine Ranch Water District and general household type waste is handled by Waste Management of Orange County. There is no natural gas

connection to the Site. On Site sewage waste is handled via septic tanks and portable toilets except for the Baker Ranch RV Storage facility which has a sewer connection.

Electrical service is provided by Southern California Edison Company (Edison) and there are overhead electric lines are present at various locations throughout the ungraded portion of the Site. Small pole-mounted transformers are located on several of the utility poles and it appears that these were installed on Site by Baker Ranch when the Site was developed and not by Edison.

Industrial Wastewater This facility does not include processes that generate industrial wastewater.

Stains

No significant oil or chemical stains were noted on the Site.

Wells

No wells were observed or reported for the Site. Mr. Michael Guzman of Baker Ranch indicated that the water supply for the historic citrus growing operations was piped in from an off Site well operated by Baker Ranch but that the connection has been replaced by the municipal water supply connection.

In summary, several conditions were observed at the Site that, in Lexington Geoscience's judgment, would constitute <u>potential</u> RECs, these include:

- Historic and ongoing on Site storage and use of fuel and materials such as lubricants used to service and operate equipment employed in the nursery operations,
- Historic and ongoing on Site storage and use of pesticides and fertilizers used in the nursery operations,
- Historic and ongoing on Site storage of used oil generated by equipment employed in the nursery operations,
- Pole mounted transformers that could contain detectable PCBs, and
- Potential disposal of hazardous materials into the septic systems at the two remaining residences.

#### 5.1.2. Interviews

Lexington Geoscience interviewed Mr. Michael Guzman of Baker Ranch by telephone after the Site reconnaissance. He has worked at the facility for over 40 years and has lived on the Site for that entire time. Information provided by him is included throughout

this report. He was not aware of any environmental cleanup liens or Activity and Use Limitations such as engineering controls, land use restrictions or institutional controls at the Site imposed by federal, tribal, state, or local regulatory entities. He reported that the Site was used for citrus and later avocado growing until approximately 2002 when most of the citrus orchards were removed. A portion of the former citrus groves was converted to use as nursery and much of the remaining citrus and avocado growing areas were graded. A portion of the site was graded and used for vehicle storage at about the time that Bake Parkway was completed in the early 1990's. Mr. Guzman also provided a description of the fueling and operation of the frost protection wind generating machines.

# 5.2. Site Vicinity

Land use in the immediate vicinity of the Site is a mix of undeveloped open space to the northwest as part of the former MCAS El Toro with the remainder of the surrounding land use being relatively recent (post 2000) commercial development (Figure 2). The overall Site is partially bounded by the 241 Toll Road to the north and by Bake Parkway to the south. The extension of Alton Parkway crossing the entire Site from northeast to southwest was in progress at the time of the Site survey.

Even though there are a number of environmental issues associated with the adjoining MCAS El Toro facility no potential for surface migration or runoff of potential contaminants from offsite sources was observed and no conditions were observed in the vicinity that would constitute an REC for the Site.

#### 6. REGULATORY AGENCY DATABASE RESEARCH

Regulatory agency database information was obtained from a standard radius Site Assessment (ASTM) report by Environmental Data Resources, Inc. The center of the search was in the approximate center of the Site. Standard search distances for specific databases were one-quarter to one mile as specified in the ASTM 1527-05 standard. For this search, the standard distances were increased by one-half mile to accommodate the size of the Site. The database search includes over 94 federal, state, local, and proprietary records.

No RECs were identified by review of the agency database report other than the former diesel UST at the Site. A discussion of selected findings of the EDR report is presented below. A copy of this report is included in Appendix C.

# 6.1. Database Records Concerning the Target Property

A summary of the listings for the he target property is as follows:

**Baker Ranch** is listed on the NPDES database for stormwater runoff control of the previously graded areas. The owner and permit holder is listed as Shea Properties.

**Baker Ranch Properties** is listed on the HAZNET database as a waste oil generator with the disposal method being listed as re-cycling.

The presence or historical presence of used oil generated by equipment employed in the nursery operations is, in Lexington Geoscience's judgment, a potential REC for the Site.

### 6.2. Review of Databases Searched

• EPA National Priorities List (NPL) for Uncontrolled Hazardous Waste Sites: 12/31/2010 - The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste Sites identified for priority remedial actions under the Superfund program. A Site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority Site, or meet three specific criteria set jointly by the U.S. Dept of Health and Human Services and the U.S. EPA in order to become an NPL Site.

There is one NPL property within 1.0 mile of the Site on this list, MCAS El Toro located on the adjacent property to the northwest of the Site. The MCAS El Toro facility has a large number of regulated environmental conditions, however none of them in Lexington Geoscience's judgment, would be potential impacts to or off site RECs that could potentially impact the Site.

There are two Installation Restoration Program (IRP) sites located relatively close to the Site, these are:

IRP Site 1 located approximately 2700 feet northwest of the northernmost portion of the Site. Explosive ordnance disposal (EOD) training activities were undertaken there for more than 40 years. Both soil and groundwater at IRP Site 1 have been fully assessed and do not indicate impacts to the Site. Groundwater flow direction is to the west and not towards the Site. The approved remedial program for IRP Site 1 is selective removal of munitions and explosives of concern (MECs) after which the area would be available for unrestricted use (BRAC, 2010). Lexington Geoscience would not consider IRP Site 1 an REC for the Site.

IRP Site 2 located approximately 1000 feet southwest of the southwest corner of the Site. The suspected types of wastes disposed into IRP Site 2 landfill during its operation included construction debris, municipal-type waste from base operations, batteries, waste oils, hydraulic fluids, paint residues, transformers, and waste solvents. Phase I and Phase II investigations were conducted to assess the nature and extent of non-radiological chemicals of potential concern in shallow and subsurface soils, groundwater, and landfill gas. Based on these investigations, it was estimated that approximately 400,000 cubic yards (cy) of waste were placed in the landfill during its operational life (BRAC, 2009).

It was also possible that equipment painted with radium paint, or other low-level radiological materials consistent with former base operations, may have also been inadvertently disposed there. Radiological investigations have been conducted for soil and groundwater at IRP Site 2 and the results of these

investigations indicated that the landfill capping would protect human health from unacceptable exposure to radium-226 (Ra-226). The groundwater evaluations concluded that the landfills are not adversely impacting the groundwater by releasing radionuclides, and radiological constituents are not considered issues for groundwater at IRP Site 2.

Both soil and groundwater at IRP Site 2 have been fully assessed and do not indicate impacts to the Site. Groundwater flow direction is to the west or southwest away from the Site. The approved remedial program for IRP Site 2, capping and monitoring are considered protective for both human health and the environment. Lexington Geoscience would not consider IRP Site 1 an REC for the Site.

• Federal Comprehensive Environmental Response, Compensation and Liability Information System List (CERCLIS): 09/30/2010 - CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

There is one CERCLIS site within 1.0 mile of the Site on this list, MCAS El Toro located on the adjacent property to the northwest of the Site. The MCAS El Toro facility has a large number of regulated environmental conditions, however none of them in Lexington Geoscience's judgment, would be potential impacts to or off site RECs that could potentially impact the Site. A description of the two closest IRP sites at MCAS El Toro is described above under NPL sites.

• Federal RCRA Corrective Action Activity Facilities List (CORRACTS): 05/25/2010 - CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

There is one CORRACTS site within approximately 1.5 miles of the Site on this list, MCAS El Toro located on the adjacent property to the northwest of the Site. The MCAS El Toro facility has a large number of regulated environmental conditions, however none of them in Lexington Geoscience's judgment, would be potential impacts to or off site RECs that could potentially impact the Site. A description of the two closest IRP sites at MCAS El Toro is described above under NPL sites.

• Federal Resource Conservation and Recovery Act (RCRA) non-CORRACTS Treatment, Storage and Disposal (TSD) Facilities List (RCRA-TSDF): 02/17/2010 - RCRAInfo is EPA's comprehensive information system, providing access to data supporting the RCRA and the Hazardous and Solid Waste Amendments (HSWA). The database includes selective information on sites

which generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

There is 1 RCRA-TSDF site within approximately 1 mile of the Site on this list, MCAS El Toro located on the adjacent property to the northwest of the Site. The MCAS El Toro facility has a large number of regulated environmental conditions, however none of them in Lexington Geoscience's judgment, would be potential impacts to or off site RECs that could potentially impact the Site. A description of the two closest IRP sites at MCAS El Toro is described above under NPL sites.

• Federal RCRA Generators List: 02/17/2010 - RCRA-Large Quantity Generators (LQG), Small Quantity Generators (SQG) and conditionally exempt small quantity generators (CESQGs): RCRAInfo is EPA's comprehensive information system, providing access to data supporting RCRA and HSWA. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA. LQGs generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. SQGs generate between 100 kg and 1,000 kg of hazardous waste per month, and CESQGs generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month

There is one RCRA-TSDF LQG site within approximately 0.75 mile of the Site on this list, Varian, Inc. Consumable Products, 25200 Commercentre Drive, Lake Forest, CA 92630. This location is actually adjacent to the southwesterly corner of the Site along Commercecentre Drive. Varian, Inc. manufactures analytical instruments and has recently merged with Agilent Technologies. Wastes generated include: batteries, lamps, pesticides, thermostats, metals such as lead, silver and mercury, various solvents, spent solvent mixtures and cyanides. In Lexington Geoscience's judgment, this operation not generate potential impacts to the Site nor constitute an off Site REC.

*There five RCRA-TSDF SQG site within approximately 0.75 mile of the Site:* 

MCAS El Toro

Dynacast Inc., 25952 Commercentre Dr.

Oakley Print Lab, 25954 Commercentre Dr

The Young Engineers Inc., 25841 Commercentre Dr. and

ARB Inc., 20602 Indian Ocean

In Lexington Geoscience's judgment, these operations are sufficiently distant from the Site as not constitute an off Site REC.

There is one RCRA-TSDF CESQG within approximately 0.75 mile of the Site, Belshire Environmental Services located at 25422 Trabuco Road. Belshire is not a generator but a transporter of hazardous wastes and is permitted to temporarily store or transfer waste at its facility. In Lexington Geoscience's judgment, this operation not generate potential impacts to the Site nor constitute an off Site REC.

• US Engineering Controls and Institutional Controls: 01/05/2011 – This is a listing of sites with engineering and/or institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

There is one site within 1 mile of the Site on each of these lists, the MCAS El Toro located on the adjacent property to the northwest of the Site. The MCAS El Toro facility has a large number of regulated environmental conditions, however none of them in Lexington Geoscience's judgment, would be potential impacts to or off site RECs that could potentially impact the Site. A description of the two closest IRP sites at MCAS El Toro is described above under NPL sites.

• State and tribal leaking storage tank lists (LUST): 12/16/2010 - The LUSTank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

*There are three LUST sites within approximately 1 mile of the site:* 

Beacon Bay Car Wash 20602 Lake Forest Dr. Status: Completed - Case Closed

ARCO 20572 Lake Forest Dr. Status: Completed - Case Closed

G & M Oil Co, Inc. 20731 Lake Forest Dr. Status: Completed - Case Closed

In Lexington Geoscience's judgment, these LUST sites are closed, that is they have been issued No Further Action letters by the oversight agency, and sufficiently distant from the Site as not constitute an off Site REC.

• State and tribal registered storage tank (UST) lists: 12/16/2010 - The Underground Storage Tank database contains registered USTs. USTs are

regulated under Subtitle I of RCRA. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated has revealed that there are six UST sites within approximately 0.75 miles of the target property. Of these only two are sufficiently close to the Site to warrant consideration, those are:

Associated Ready Mix, 25901 Towne Centre Dr. and

Robertson's Ready Mix 25931 Towne Centre Dr.

Both of these locations are relatively close to the northeastern portion of the Site with the Associated Ready Mix USTs being approximately 170 feet from the Site and in both a topographic and groundwater gradient higher elevation than the Site. However, there are no reported leaks or spills associated with either UST system. Therefore, in Lexington Geoscience's judgment, these UST sites are do not constitute an off Site REC.

• Aboveground Storage Tank (AST) database: 08/01/2009 – This database contains a listing of registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

There are five AST sites within approximately 0.75 miles of the Site, all of which are included in other databases. There are no reported leaks or spills associated with these ASTs, therefore, in Lexington Geoscience's judgment; they do not constitute off Site RECs.

#### 6.3. Additional Environmental Records

• Local Lists of Landfill / Solid Waste Disposal Sites: 04/01/2000 - The Waste Management Unit Database System and Solid Waste Assessment Test (WMUDS/SWAT) is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

There are two WMUDS/SWAT sites within approximately 1 mile of the Site, all of which are included in other databases.

Greenwaste, Lake Forest 20200 Bake Parkway, and

*Greenwaste Composting 20712 Indian Ocean Dr.* 

The Greenwaste Lake Forest facility listed at 20200 Bake Parkway may have been located on the Site in 2000 but within an area graded in 2002. Neither operation, in Lexington Geoscience's judgment; would constitute an REC.

#### Other Ascertainable Records

MCAS El Toro is included on a number of additional database records including:

RCRA-NonGen 02/17/2010 which includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste

**Department of Defense (DOD) 12/31/2005** which consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

**Record of Decision (ROD) 06/01/2010** documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

**PCB** Activity Database (PADS) 11/01/2010 identifies generators, transporters, commercial storers and/or brokers and disposers of polychlorinated biphenyls (PCBs) who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

Facility Index System (FINDS) 04/14/2010 contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

The RCRA Administration Action Tracking System (RAATS) 04/17/1995 contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

# • National Pollution Discharge Elimination System (NPDES) permits: 11/22/2010.

A review of the NPDES list indicates that there are six sites within approximately 0.5 miles of the target property. Of these only two are sufficiently close to the Site to warrant consideration, those are:

Associated Ready Mix, 25901 Towne Centre Dr. and

Robertson's Ready Mix/L & K Corporate Yard, 25931 Towne Centre Dr.

Neither operation, in Lexington Geoscience's judgment; would constitute an off Site REC.

• California Water Resources Control Board - Waste Discharge System (WDS): 06/19/2007

There is one WDS site listed within approximately 0.5 mile of the Site.

Robertson's Ready Mix/ L & K Corporate Yard, 25931 Towne Centre Dr.

The Robertson Ready Mix operation, in Lexington Geoscience's judgment; would not constitute an off Site REC.

• **DRYCLEANERS:** 09/15/2010 - A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list indicates that there are two sites within approximately 0.75 miles of the target property. Of these only two are sufficiently close to the Site to warrant consideration, those are:

R & S Soil Products Inc., 25193 Commercentre Dr. and

Varian, Inc. Consumable Products now Agilent Technologies, 25200 Commercentre Dr.

Neither of these operations is a dry cleaner and are likely listed as such based on SIC codes. Neither operation, in Lexington Geoscience's judgment; would not constitute an off Site REC.

• HAZNET: 12/31/2009 - The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. Data from non-California manifests and continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. The source is the Department of Toxic Substance Control.

A review of the HAZNET list indicates that there are 14 sites within approximately 0.5 miles of the target property. Other than Associated Ready Mixed Concrete at 25901 Towne Center Dr., none of listed operations are sufficiently close to the Site to warrant consideration and, none of the listed

operations, in Lexington Geoscience's judgment; would not constitute off Site RECs.

• Emissions Inventory Data (EMI): 12/31/2008 - Toxics and criteria pollutant emissions data collected by the Air Resources Board and local air pollution agencies.

A review of the EMI list indicates that there are three sites within approximately 0.5 miles of the target property, those are:

Associated Ready Mix, 25901 Towne Centre Dr.

PSB Inc., 26012 Atlantic Ocean Dr. and

Robertsons Ready Mix, 25931 Towne Centre Dr.

None of these operations, in Lexington Geoscience's judgment; would constitute an off Site REC.

• Hazardous Waste Transporters (HWT): 01/17/2011 - In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

There is one HWT within approximately 0.75 mile of the Site, Belshire Environmental Services located at 25422 Trabuco Road. Belshire is permitted to transport and temporarily store or transfer waste at its facility. In Lexington Geoscience's judgment, this operation not generate potential impacts to the Site nor constitute an off Site REC.

### 6.4. Orphan Sites

Orphan Sites are those properties that are included on various agency lists, but for which the records do not have sufficient address information or addresses have been misspelled to map the site. There are 21 orphan properties were listed. Review of details for these properties indicates that all are located sufficiently distant from, and thus are not RECs for, the Site.

### 7. LOCAL AGENCY AND OTHER RECORDS REVIEW

# 7.1. City of Lake Forest Building Department

Records for the Site addresses of:

20683, 20745, 20747 and 20749 Canada Road 19480 Baker Ranch Road, 25690 Baffin Bay Drive, and 20200 Bake Parkway Lake Forest, California 92630 were requested for review over the counter. Copies of the documents provided by the City of Lake Forest are included in Appendix D.

No permits were on file for either 19480 Baker Ranch Road (Miramar Nursery address) or 20200 Bake Parkway, the address given for the R & S Soil Products, Inc. greenwaste facility, listed in the Santa Ana Regional Water Quality Control Board (RWQCB) GeoTraker web site as "Cleanup status completed - case closed as of 1/1/1965".

Permit index cards were on file for 20683, 20745, 20747 and 20749 Canada Road

The index card for 20683 Canada Road indicated that a building permit was issued 1/14/80 for two "Basic Buildings": Farm Shop and Storage. A permit for septic system was also issued. These structures were demolished prior to the 2002 grading operations.

The index card for 20745, 20747 and 20749 Canada Road indicated that building permits for all three were issued 11/05/65. However, the building at 20745 Canada Road was demolished prior to the 2002 grading operations and is no longer a concern. All three building permits were listed as being for single family dwellings with attached garages. Notes on the index cards indicate that permits for septic systems were also issued for all three addresses. The electrical permits as well as the dating of their issuance combined with Site observations of pole mounted transformers that could contain detectable PCBs constitute a potential REC for the Site. Additionally, the permits for septic systems at the two remaining addresses constitute a potential REC for the Site.

A permit for the wind machines (building and electrical) was issued under the 20745 Canada Road address on 5/31/65. The permits do not indicate a specific REC, however, they do provide dating that when combined with Site observations of pole mounted transformers that could contain detectable PCBs substantiate a potential REC for the Site.

25690 Baffin Bay Drive, Baker Ranch RV Storage. City of Lake Forest permits were issued for grading on 4/7/93, for modular building on 7/8/93 and a monument sign on 11/3/94. These permits do not indicate potential RECs for the Site.

# 7.2. County of Orange Department of Building and Safety

Records for the Site address of:

20683, 20745, 20747 and 20749 Canada Road 19480 Baker Ranch Road, 25690 Baffin Bay Drive, and 20200 Bake Parkway

Lake Forest, California 92630 were requested for review over the counter.

The County had no indexed files for these addresses and indicated that the index cards had been transferred to the City of Lake Forest. However, the County may still have copies of various permits and plans so a request was made for a more thorough file search. The County responded that no further records were found.

# 7.3. Orange County Health Care Agency

Records for the Site address of:

20683, 20745, 20747 and 20749 Canada Road 19480 Baker Ranch Road, 25690 Baffin Bay Drive, and 20200 Bake Parkway

Lake Forest, California 92630 were requested for review. As of the date of this report the OCHCA has not responded to the request for file review.

# 7.4. Santa Ana Regional Water Quality Control Board (RWQCB)

The records for the Site and Site vicinity were reviewed through the RWQCB's GeoTraker web site, <a href="http://geotracker.swrcb.ca.gov">http://geotracker.swrcb.ca.gov</a> and no records for the Site were found. GeoTraker does show a locater on the Site for R & S Soil Products, Inc., a greenwaste facility, located at 20200 Bake Parkway. The case is listed as: "Cleanup status completed - case closed as of 1/1/1965". The address does not exist at the site, even numbered addresses along Bake Parkway are on the southeast side of the street and the Site is along the northwest side of the street. Additionally, a review of aerial photographs indicates that Bake Parkway did not exist at the time the case was closed in 1965 nor was there any indication of a greenwaste facility or dumping at the Site on the aerial photographs.

# 7.5. Department of Toxic Substance Control

The records for the Site and Site vicinity were reviewed through the DTSC's GeoTraker web site, <a href="http://www.envirostor.dtsc.ca.gov">http://www.envirostor.dtsc.ca.gov</a> and no records for the Site were found.

#### 7.6. Tribal Records

The Site is not located in a tribal area so there were no tribal records to review.

#### 7.7. Oil and Gas Wells

The State of California Department of Conservation, Division of Oil, Gas, and Geothermal Resources Map W1-4 (<a href="ftp://ftp.consrv.ca.gov/pub/oil/maps/dist1/w1-4/Mapw1-4.pdf">ftp://ftp.consrv.ca.gov/pub/oil/maps/dist1/w1-4/Mapw1-4.pdf</a>) as well as the Munger map Book for California – Alaska Oil and Gas Fields (Munger, 2001) were reviewed for the location of active, plugged, or abandoned oil wells in the vicinity of the Site. One well, the CalResources LLC (Shell Oil), 'Irvine Plain Core Hole' 9 is located approximately one mile west of the current end of Alton

Parkway making it approximately 3800 feet northwest of the southernmost end of the Site.

# 8. SUMMARY OF FINDINGS

Key findings of this Phase I Environmental Site Assessment are as follows:

- The Site consists of approximately 378 acres of land that is located north of Bake Parkway between the 241 Toll Road and Commercentre Drive.
- The Site is an irregular shaped property that is partially graded but undeveloped except for a number of small structures (sales office, storage and two residences) related to a nursery that occupies the northwestern portion of the overall property. There is also an approximately 13 acre paved area used primarily for recreational vehicles on the Site located north of Bake Parkway and west of Baffin Bay Drive. Work is ongoing for the extension of Alton Parkway between Towne Centre Drive on the northeast, through the Site, and to connecting to Irvine Boulevard west of the Site.
- The vicinity of the Site is primarily relatively recent commercial development with undeveloped open space, formerly a part of the MCAS El Toro and now listed as being owned by the Federal Aviation Administration, to the northwest.
- Elevation at the Site is quite varied and ranges from approximately 550 feet to 800 feet above MSL. The overall topography in the vicinity of the Site slopes to the southwest east.
- Drainage for the northwestern portion of the Site is by surface flow to the southwest along Borrego Wash where runoff drains onto the MCAS El Toro and Musick Honor Farm then eventually into the regional stormwater system. The remainder of the Site appears to drain to the south and to the regional stormwater system along Bake Parkway and into Serrano Creek.
- The nearest surface waters are the artificial water bodies along Bake Parkway and Jeronimo Road and near Lake Forest Drive and Murilands Blvd. approximately two and one-half miles northeast of the Site.
- Groundwater in the immediate area of the Site may be assumed to be to the south or south-southwest with a groundwater elevation of approximately 480 feet above MSL at the southern end of the Site with a gradient of approximately 0.04 to 0.03 ft/ft.
- Historical documents indicate that the Site and immediate vicinity were undeveloped or pasture land until the late 1950s to early 1960s when portions were planted with citrus orchards. Several buildings including the two remaining on-Site residences and one residence now demolished and in a graded portion of the Site were developed in connection with the citrus growing operations. By 1980 the citrus growing operations had been augmented with avocado orchards covering the steeper slopes within the Site. By 1980 nursery operations were also

undertaken on the southern portion of the Site north of Bake Parkway north of the intersection with Dimension Drive. By 1997 the Baker Ranch RV Storage facility appears to have been developed. By 2002 the citrus growing areas on the Site had been removed with only portions of the avocado growing areas remaining. Grading to its current limits had been undertaken and the former citrus growing area along Borrego Creek converted to nursery operations. After 2002 the Site remains much as it was after the initial grading with the exception of the recent grading work associated with the extension of Alton Parkway between Towne Centre Drive and Irvine Boulevard.

- Information in a previous Phase I identified that a 10,000 gallon UST was removed in 1991 and closed by the OCHCA. The area in which the UST was located has subsequently been graded, thus, this issue is **not** considered an REC for the Site.
- Review of various regulatory records did not identify on or off Site RECs. However, several conditions were observed at the Site that, in Lexington Geoscience's judgment, would constitute potential RECs, these include:
  - Historic and ongoing on Site storage and use of fuel and materials such as lubricants used to service and operate equipment employed in the nursery operations,
  - Historic and ongoing on Site storage and use of pesticides and fertilizers used in the nursery operations,
  - Historic and ongoing on Site storage of used oil generated by equipment employed in the nursery operations,
  - o Pole mounted transformers that could contain detectable PCBs, and
  - Potential disposal of hazardous materials into the septic systems at the two remaining residences.

#### 9. DATA GAPS

The property history is not completely documented; it could not be established back to the first use. The earliest records available were the 1901 and 1902 topographic maps, neither of which showed any development other than an unimproved road along a portion of Borrego Canyon. The first use appears to be agricultural, but the nature of those activities could not be determined. In Lexington Geoscience's opinion, this lack of detailed information or data gap on first use is unlikely to represent any RECs for the Site.

# 10. CONCLUSIONS

We have performed a Phase I Environmental Site Assessment for the 378 acre Baker Ranch property in Lake Forest, California. This assessment has revealed several on Site conditions were observed at the Site that, in Lexington Geoscience's judgment, would constitute potential RECs, these include:

- Historic and ongoing on Site storage and use of fuel and materials such as lubricants used to service and operate equipment employed in the nursery operations,
- Historic and ongoing on Site storage and use of pesticides and fertilizers used in the nursery operations,
- Historic and ongoing on Site storage of used oil generated by equipment employed in the nursery operations,
- Pole mounted transformers that could contain detectable PCBs, and
- Potential disposal of hazardous materials into the septic systems at the two remaining residences.

No off Site conditions were noted that, in Lexington Geoscience's judgment, would constitute RECs for the Site.

# 11. RECOMMENDATIONS

Lexington Geoscience assumes that the ongoing nursery and RV storage operations will continue until the areas are graded for development and that there will be continued use and storage of fuels and agricultural chemicals for some indeterminate time and an ongoing possibility of inadvertent spills or releases thereof. There were no indications of any spillage observed during the Site survey and the preliminary sampling conducted by McLaren did not indicate impacts from chlorinated agricultural chemicals or elevated concentrations of metals associated with fertilizer application. Therefore, we have no recommendations for sampling the potential RECs outlined above.

However, Lexington Geoscience recommends that the areas associated with the potential RECs be carefully monitored during grading and if indications of impacted soil or buried waste is encountered that it be properly assessed and managed.

We also recommend that all transformers be sampled for the presence of PCBs prior to disposal or recycling. If PCBs are present the transformers will require special handling.

RECs **do not** include asbestos containing materials in or lead based paint on buildings, however, given the age of the residential and maintenance structures located at the Site

we would recommend appropriate sampling by a qualified contractor and if necessary abatement of asbestos and/or lead based paint materials prior to demolition.

**12. DOCUMENTATION**Supporting documentation use in the preparation of this report is included in Appendix D or cited in the references provided.

# 13. QUALIFICATIONS

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth on 40 CFR Part 312.

# David M. Henry, PG

Mr. David Henry, a Principle with Lexington Geoscience, has over 38 years of diversified experience including 10 years in oil and gas exploration and 28 years conducting and managing site investigations, remediation, and litigation support for properties with environmental issues. Mr. Henry is a California Professional Geologist (No. 4525). He holds a Bachelor of Science Degree in geology from California State University Long Beach and a Master of Science Degree in geology from the University of Wisconsin, Madison.

He has conducted and managed site investigations and remediation at numerous commercial and industrial facilities, manufactured gas facilities, oil fields, retail gasoline outlets and fuel terminals, and an oil refinery. Contaminates at the various sites have included: chlorinated volatile organic compounds; fuels, fuel additives, lubricants, cutting oils, crude oil, solvents; metals, acids/bases, polynuclear aromatic hydrocarbons, and phthalate plasticizers. Remediation projects included: vapor extraction, free product recovery, in situ and ex situ bioremediation, groundwater recovery and vacuum assisted pumping, neutralization of acid sludges and caustic wastes; and metal fixation/stabilization.

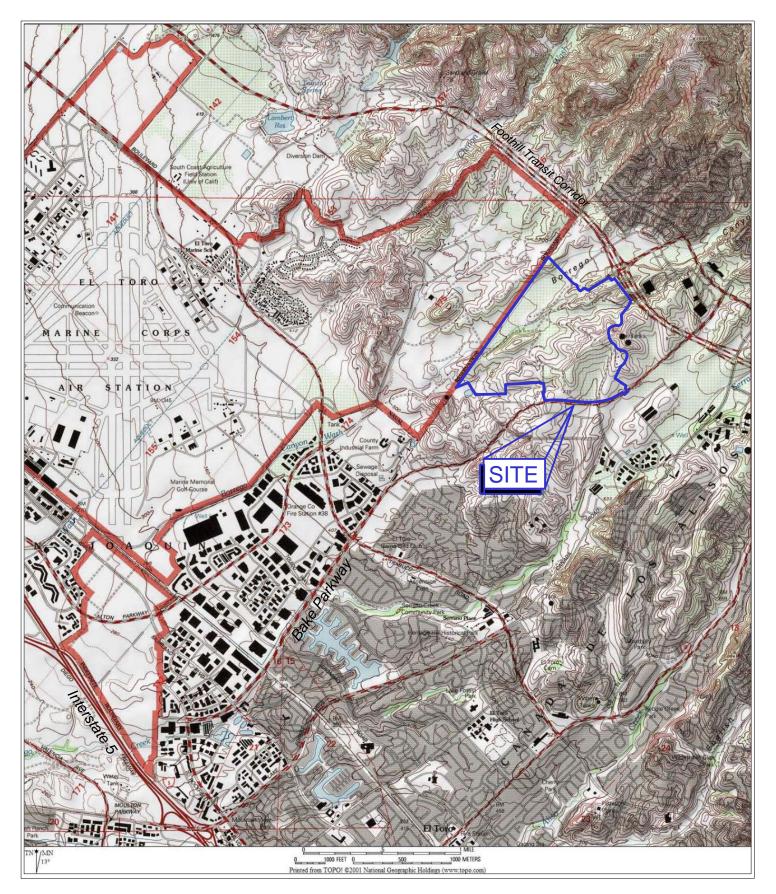
He has implemented and managed several oil field remediation projects in Southern California including the reuse of all oily soil on site. The remediated oil field sites have been redeveloped as both commercial residential properties.

Mr. Henry has provided expert witness technical support to legal counsel for variety of environmental issues related to contamination and standards of practice; conducted detailed forensic investigations related to releases of hazardous materials; provided deposition testimony and directed the preparation of computer simulations and trial exhibits. He provided assistance to the court (judge) on environmental concerns and potential costs of those impacts during a bankruptcy settlement.

# 14. REFERENCES

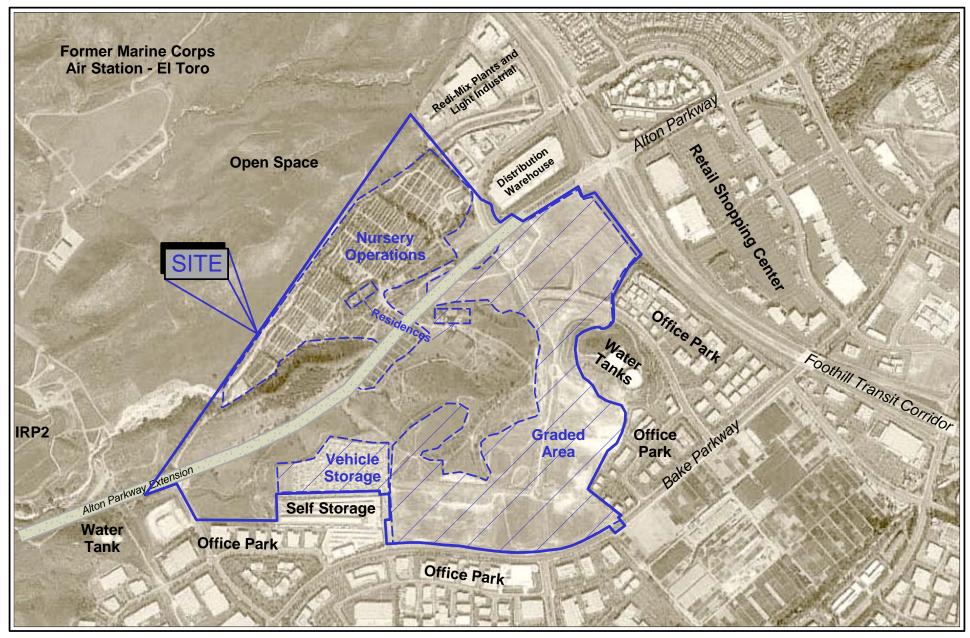
- Base Realignment and Closure Program (BRAC), 2009. First Five-Year Review Report, Installation Restoration Program, Sites 2, 16, 17, 18, and 24, Former Marine Corps Air Station, El Toro, California, September 2009.
- BRAC, 2010. Final Action Memorandum, Time-Critical Removal Action, Installation Restoration Program Site 1 Adjacent Property, Former Marine Corps Air Station, El Toro, California, February 2010.
- Fife, Donald L., 1974. Geology of the South Half of the El Toro Quadrangle, Orange County, California, California Division of Mines and Geology, Special Reportl 110, 1974.
- McLaren Hart Environmental (McLaren), 1999. Phase I Environmental Assessment, Shea Properties, Tentative Tract 13336, Baker Ranch, Lake Forest, California 92630, March 2, 1999.
- McLaren, 1999. Results of Limited Soil Screening Evaluation of Baker Ranch, Tentative Tract 13336, Lake Forest, California, March 19, 1999.
- Munger, Kay (publisher) ,2001. <u>Munger Map Book Alaska and California Oil and Gas Fields</u>, Los Angeles, California.







SITE LOCATION Baker Ranch Lake Forest, California **FIGURE** 





SITE AND VICINITY MAP Baker Ranch Lake Forest, California **FIGURE** 

2

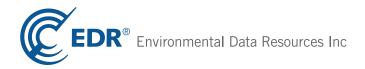
APPENDIX A EDR Regulatory Database Report

Baker Ranch
Bake Parkway/Dimension Drive
Lake Forest, CA 92630

Inquiry Number: 2999681.2s

February 24, 2011

# The EDR Radius Map™ Report with GeoCheck®



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**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### **ADDRESS**

BAKE PARKWAY/DIMENSION DRIVE LAKE FOREST, CA 92630

### **COORDINATES**

Latitude (North): 33.673200 - 33° 40' 23.5" Longitude (West): 117.678000 - 117° 40' 40.8"

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 437147.4 UTM Y (Meters): 3725934.8

Elevation: 752 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33117-F6 EL TORO, CA

Most Recent Revision: 1982

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 2006, 2005 Source: USDA

#### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
BAKER RNCH BAKE PKWY AND DIMENSION DR ORANGE, CA	NPDES	N/A
BAKER RANCH PROPERTIES BAKE PKWY & DIMENSION DR LAKE FOREST, CA 92630	HAZNET	N/A

### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
Proposed NPLNPL LIENS	Proposed National Priority List Sites Federal Superfund Liens
Federal Delisted NPL site lis	t
Delisted NPL	National Priority List Deletions
Federal CERCLIS list	
	Federal Facility Site Information listing
Federal CERCLIS NFRAP sit	e List
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
Federal ERNS list	
ERNS	Emergency Response Notification System
State- and tribal - equivalent	NPL
RESPONSE	State Response Sites
State- and tribal - equivalent	CERCLIS
ENVIROSTOR	EnviroStor Database
State and tribal landfill and/o	or solid waste disposal site lists
SWF/LF	Solid Waste Information System
State and tribal leaking stora	age tank lists
SLICINDIAN LUST	Statewide SLIC Cases Leaking Underground Storage Tanks on Indian Land
State and tribal registered st	torage tank lists
INDIAN USTFEMA UST	Underground Storage Tanks on Indian Land Underground Storage Tank Listing
State and tribal voluntary cle	eanup sites
VCP	Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

### Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory ..... Recycler Database

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

#### Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs HIST Cal-Sites Database

SCH...... School Property Evaluation Program

Toxic Pits...... Toxic Pits Cleanup Act Sites

### Local Lists of Registered Storage Tanks

HIST UST..... Hazardous Substance Storage Container Database

#### Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS..... Land Use Control Information System

LIENS..... Environmental Liens Listing DEED...... Deed Restriction Listing

### Records of Emergency Release Reports

HMIRS\_\_\_\_\_ Hazardous Materials Information Reporting System CHMIRS...... California Hazardous Material Incident Report System

LDS..... Land Disposal Sites Listing MCS..... Military Cleanup Sites Listing Orange Co. Industrial Site\_\_\_\_ List of Industrial Site Cleanups

### Other Ascertainable Records

DOT OPS..... Incident and Accident Data FUDS..... Formerly Used Defense Sites

CONSENT..... Superfund (CERCLA) Consent Decrees

UMTRA..... Uranium Mill Tailings Sites MINES..... Mines Master Index File

TRIS...... Toxic Chemical Release Inventory System

TSCA...... Toxic Substances Control Act

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS...... Integrated Compliance Information System MLTS..... Material Licensing Tracking System RADINFO...... Radiation Information Database

CA BOND EXP. PLAN..... Bond Expenditure Plan

HIST CORTESE..... Hazardous Waste & Substance Site List

Notify 65..... Proposition 65 Records

...... Well Investigation Program Case List WIP...

INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

FINANCIAL ASSURANCE.... Financial Assurance Information Listing HWP...... EnviroStor Permitted Facilities Listing
COAL ASH EPA...... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

PROC..... Certified Processors Database MWMP..... Medical Waste Management Program Listing

COAL ASH DOE..... Sleam-Electric Plan Operation Data

#### **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants EDR Historical Auto Stations EDR Proprietary Historic Gas Stations EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

#### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/31/2010 has revealed that there is 1 NPL

site within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

#### Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 09/30/2010 has revealed that there is 1 CERCLIS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

#### Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 05/25/2010 has revealed that there is 1 CORRACTS site within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-TSDF site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

### Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-LQG site within approximately 0.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VARIAN, INC. CONSUMABLE PRODUC	25200 COMMERCENTRE DR.	WSW 1/2 - 1 (0.722 mi.)	K44	109

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 5 RCRA-SQG sites within approximately 0.75 miles of the target property.

<b>Equal/Higher Elevation</b>	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9
Lower Elevation	Address	Direction / Distance	Map ID	Page
DYNACAST INC	25952 COMMERCENTRE DR	S 1/2 - 1 (0.606 mi.)	J34	90
OAKLEY PRINT LAB	25954 COMMERCENTRE DR	S 1/2 - 1 (0.606 mi.)	J36	97
THE YOUNG ENGINEERS INC	25841 COMMERCENTRE DR	S 1/2 - 1 (0.609 mi.)	37	100
ARB INC	20602 INDIAN OCEAN	S 1/2 - 1 (0.619 mi.)	J39	103

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-CESQG site within approximately 0.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BELSHIRE ENV SVCS INC DBA BESI	25971 TOWNE CTR DR	N 1/2 - 1 (0.506 mi.)	G33	87

### Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 01/05/2011 has revealed that there is 1 US ENG CONTROLS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 01/05/2011 has revealed that there is 1 US INST CONTROL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

### State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 12/16/2010 has revealed that there are 4 LUST sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEACON BAY CAR WASH	20602 LAKE FOREST DR	SE 1/2 - 1 (0.926 mi.)	L47	118
BEACON BAY CAR WASH Status: Completed - Case Closed	20602 LAKE FOREST	SE 1/2 - 1 (0.926 mi.)	L48	119
ARCO Status: Completed - Case Closed	20572 LAKE FOREST DR	SE 1/2 - 1 (0.935 mi.)	49	120
G & M OIL CO, INC Status: Completed - Case Closed	20731 LAKE FOREST DR	SE 1/2 - 1 (0.995 mi.)	50	123

### State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 12/16/2010 has revealed that there are 7 UST

sites within approximately 0.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASSOCIATED READY MIX	25901 TOWNE CENTRE DR	N 1/4 - 1/2 (0.432 mi.)	D7	66
ROBERTSONS READY MIX	25931 TOWNE CENTRE DR	N 1/4 - 1/2 (0.478 mi.)	D17	76
ROBERTSONS READY MIX INC	25931 TOWNE CENTRE DR	N 1/4 - 1/2 (0.478 mi.)	D18	78
TRABUCO CANYON WATER DISTRICT	20904 DIMENSION	SSE 1/4 - 1/2 (0.498 mi.)	H28	84
ARB INC	26032 COMMERCENTRE DR	S 1/2 - 1 (0.612 mi.)	38	102
ARB INC	20602 INDIAN OCEAN	S 1/2 - 1 (0.619 mi.)	J39	103
SHELL	26721 RANCHO PKWY	E 1/2 - 1 (0.703 mi.)	42	108

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 5 AST sites within approximately 0.75 miles of the target property.

Equal/Higher Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
Not reported	26642 TOWNE CENTRE DR	ENE 1/2 - 1 (0.739 mi.)	45	117
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	25901 TOWNE CENTRE DR	N 1/4 - 1/2 (0.432 mi.)	D6	65
Not reported	25952 COMMERCENTRE DR	S 1/2 - 1 (0.606 mi.)	J35	97
ARB INC	20602 INDIAN OCEAN	S 1/2 - 1 (0.619 mi.)	J39	103
Not reported	25961 WRIGHT	N 1/2 - 1 (0.696 mi.)	41	108

### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 2 WMUDS/SWAT sites within approximately 1 mile of the target property.

Lower Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
GREENWASTE,LAKE FOREST	20200 BAKE PARKWAY	SW 1/2 - 1 (0.656 mi.)	40	106
GREENWASTE COMPOSTING	20712 INDIAN OCEAN DR	S 1/2 - 1 (0.749 mi.)	46	117

HAULERS: A listing of registered waste tire haulers.

A review of the HAULERS list, as provided by EDR, and dated 11/22/2010 has revealed that there is 1 HAULERS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA DISCOUNT T	2 RANCHO CIRCLE	E 1/4 - 1/2 (0.486 mi.)	21	79

#### Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRABUCO CANYON WATER DISTRICT	20904 DIMENSION DR	SSE 1/4 - 1/2 (0.498 mi.)	H27	83

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRABUCO CANYON WATER DISTRICT	20904 DIMENSION DR	SSE 1/4 - 1/2 (0.498 mi.)	H27	83

#### Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-NonGen site within approximately 0.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BELSHIRE TRANSPORTATION SERVIC	25971 TOWNE CENTRE DR	N 1/2 - 1 (0.506 mi.)	G32	85

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL TORO MARINE CORPS AIR STATI		NW 1/2 - 1 (0.502 mi.)	0	9

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 06/01/2010 has revealed that there is 1 ROD site within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 11/01/2010 has revealed that there is 1 PADS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/14/2010 has revealed that there are 2 FINDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9
Lower Elevation	Address	Direction / Distance	Map ID	Page
PSB	26012 ATLANTIC OCEAN DR	C 1/4 1/2 (0 472 m; )	F14	71

RAATS: The RCRA Administration Action Tracking System contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USMC AIR STATION EL TORO	LAT 33 40 19 LONG 117	NW 1/4 - 1/2 (0.470 mi.)	0	9

NPDES: A listing of NPDES permits, including stormwater.

A review of the NPDES list, as provided by EDR, and dated 11/22/2010 has revealed that there are 6 NPDES sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
26001 DIMENSION	26001 DIMENSION	SSE 1/4 - 1/2 (0.409 mi.)	B4	64	
ASSOCIATED READY MIXED FOOTHIL	25901 TOWNE CENTRE DR	N 1/4 - 1/2 (0.432 mi.)	D9	68	
STAY BRIDGE HOTEL	NO 2 ORCHARD RD	E 1/4 - 1/2 (0.433 mi.)	C10	68	
ROBERTSONS READY MIX	25931 TOWNE CENTRE DR	N 1/4 - 1/2 (0.478 mi.)	D17	76	
ENVIRONMENTAL RESOLUTIONS INC	20372 NORTH SEA CIRCLE	SSW 1/4 - 1/2 (0.492 mi.)	E22	79	
L & K CORPORATE YARD	25931 TOWNE CENTER DR	N 1/4 - 1/2 (0.496 mi.)	G26	82	

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there is 1 WDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSONS READY MIX	25931 TOWNE CENTRE DR	N 1/4 - 1/2 (0.478 mi.)	D17	76

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/15/2010 has revealed that there are 2 DRYCLEANERS sites within approximately 0.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
R & S SOIL PRODUCTS INC	25193 COMMERCENTRE	WSW 1/2 - 1 (0.720 mi.)	K43	108	
VARIAN, INC. CONSUMABLE PRODUC	25200 COMMERCENTRE DR.	WSW 1/2 - 1 (0.722 mi.)	K44	109	

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2009 has revealed that there are 14 HAZNET sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
DARED 83 LLC	26561 RANCHO PRKWY W	E 1/4 - 1/2 (0.389 mi.)	3	64	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
ORQUIS MEDICAL	14 ORCHARD RD	ESE 1/4 - 1/2 (0.411 mi.)	C5	65	
ASSOCIATED READY MIXED CONCRET	25901 TOWNE CENTER DR	N 1/4 - 1/2 (0.432 mi.)	D8	66	
CELESTICA CORP	25902 TOWNE CENTER DR	N 1/4 - 1/2 (0.435 mi.)	D11	69	
UNION CHEMICAR AMERICA	25781 ATLANTIC OCEAN DR	SSW 1/4 - 1/2 (0.458 mi.)	E12	69	

Lower Elevation	Address	Direction / Distance	Map ID	Page	
COX COMMUNICATIONS	26001 DIMENSION DR	SSE 1/4 - 1/2 (0.460 mi.)	B13	71	
PSB INC	26012 ATLANTIC OCEAN DR	S 1/4 - 1/2 (0.473 mi.)	F15	71	
NUCLEI INC.	20411 JAMES BAY CIR	S 1/4 - 1/2 (0.477 mi.)	F16	75	
ATS MEDICAL	20412 JAMES BAY CIR	S 1/4 - 1/2 (0.478 mi.)	F19	78	
DARED 83 LLC	26541 RANCHO PKWY SOUTI	HE 1/4 - 1/2 (0.483 mi.)	20	78	
ENVIRONMENTAL RESOLUTIONS INC	20372 NORTH SEA CIRCLE	SSW 1/4 - 1/2 (0.492 mi.)	E23	80	
VELCO TOOL AND DIE	20431 BARENTS SEA CIR	S 1/4 - 1/2 (0.495 mi.)	24	80	
MICROTEK ELECTRONICS INC	25691 ATLANTIC OCEAN DR	SSW 1/4 - 1/2 (0.499 mi.)	129	84	
ADVANCED MICRO ELECTRONICS INC	25691 ATLANTIC OCEAN DR	SSW 1/4 - 1/2 (0.499 mi.)	130	84	

EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2008 has revealed that there are 3 EMI sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
ASSOCIATED READY MIXED CONCRET	25901 TOWNE CENTER DR	N 1/4 - 1/2 (0.432 mi.)	D8	66	
PSB INC	26012 ATLANTIC OCEAN DR	S 1/4 - 1/2 (0.473 mi.)	F15	71	
ROBERTSON'S READY MIX	25931 TOWN CTR DR	N 1/4 - 1/2 (0.496 mi.)	G25	82	

HWT: A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

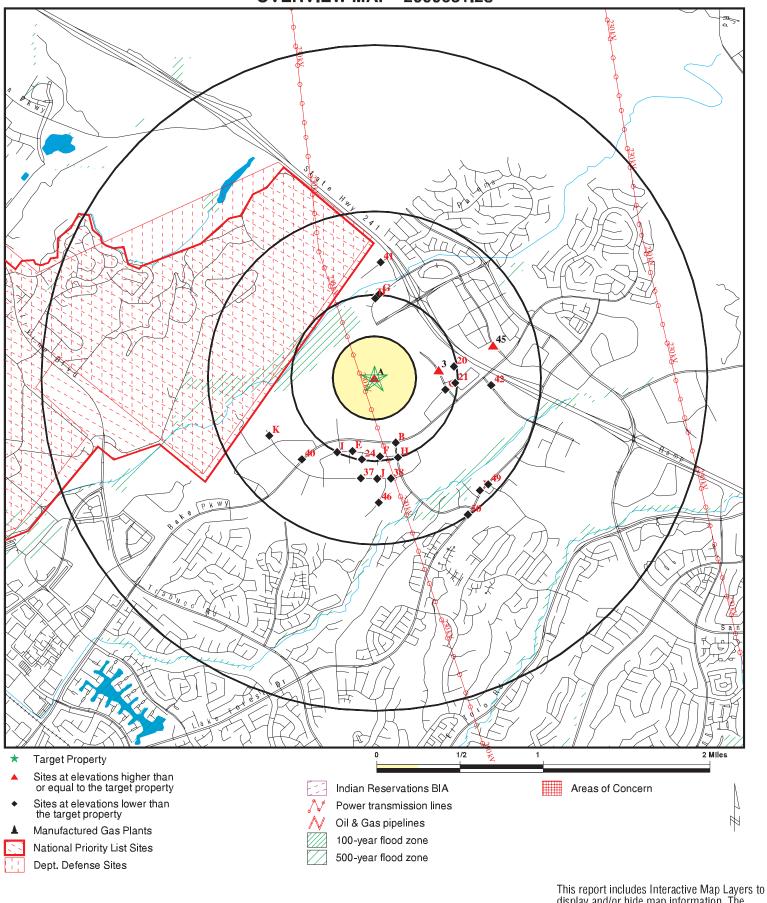
A review of the HWT list, as provided by EDR, and dated 01/17/2011 has revealed that there is 1 HWT site within approximately 0.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
B.E.S.I.	25971 TOWNE CENTRE DRIV	/ N 1/2 - 1 (0.506 mi.)	G31	85

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

Site Name	Database(s)
SPECTRUM 5 SOUTH OF IRVINE CENTER	NPDES
HYUNDAI AMERICA TECHNICAL CTR	NPDES
IRVINE SPECTRUM APARTMENTS	NPDES
PARK AT SPECTRUM	NPDES
LAMBERT RANCH TTM 16868	NPDES
JL RESEARCH PARCEL MAP 3 OF PM 200	NPDES
DIAMOND JAMBOREE ALTON JAMBOREE	NPDES
ENTERPRISE TECH CTR	NPDES
FOOTHILL RNCH MEDICAL OFFICES	NPDES
R&S SOIL PRODUCTS, INC.	SWF/LF
BAKER (LAWD)	UST
HERTZ EQUIPMENT RENTAL	AST
CALTRANS DIST 12/EA12-1072U4	HAZNET
CALTRANS DIST 12/CONSTR/EA12-0F950	HAZNET
ARBOR INC	HAZNET
WEYERHAEUSER CO	HAZNET
TRANSPORTATION CORRIDOR AGENCIES	HAZNET
IRVINE RANCH WATER DIST	HAZNET
FORMER OC INTERNATIONAL RACEWY	Orange Co. Industrial Site
IRVINE RANCH DESALTER PROJECT	WDS
EL MORRO CONVERSION TO CAMPGRO	WDS

# **OVERVIEW MAP - 2999681.2s**



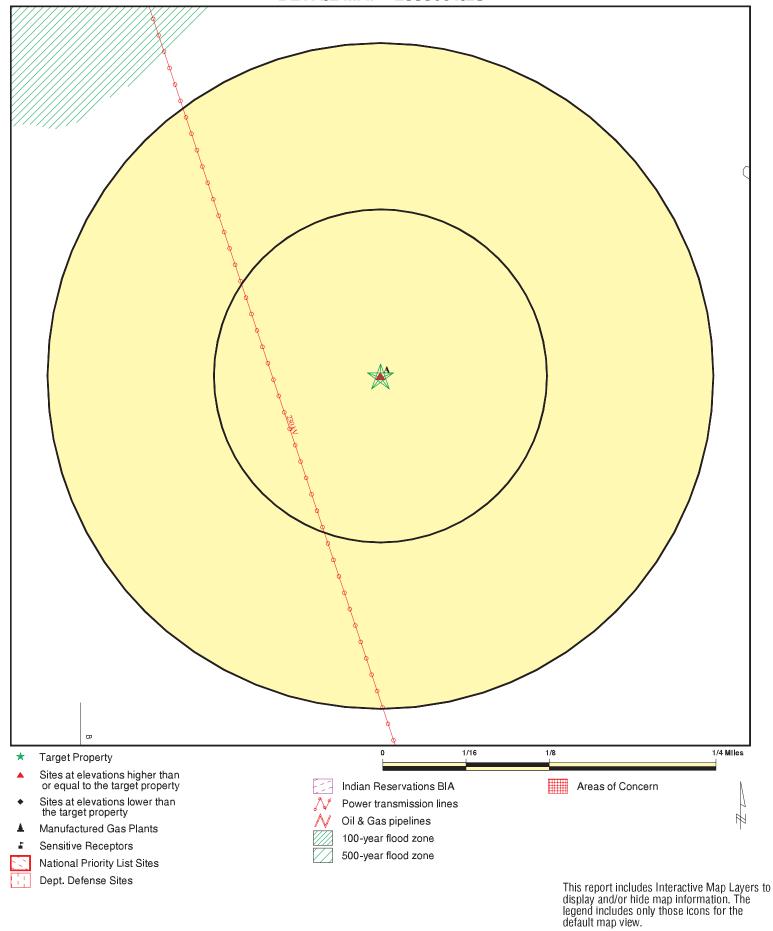
this report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Baker Ranch
ADDRESS: Bake Parkway/Dimension Drive

CLIENT: Lexington Geoscience
CONTACT: Diane Henry

Lake Forest CA 92630 LAT/LONG: 33.6732 / 117.6780 INQUIRY #: 2999681.2s DATE: February 24, 2011 3:07 pm

# **DETAIL MAP - 2999681.2s**



SITE NAME: Baker Ranch
ADDRESS: Bake Parkway/Dimension Drive
Lake Forest CA 92630
LAT/LONG: 33.6732 / 117.6780

CLIENT: Lexington Geoscience
CONTACT: Diane Henry
INQUIRY #: 2999681.2s
DATE: February 24, 2011 3:08 pm

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	STANDARD ENVIRONMENTAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS		1.500 1.500 0.500	0 0 0	0 0 0	1 0 0	0 0 NR	0 0 NR	1 0 0
Federal Delisted NPL sit	te list							
Delisted NPL		1.500	0	0	0	0	0	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY		1.000 1.500	0 0	0 0	1 0	0 0	NR 0	1 0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP		1.000	0	0	0	0	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS		1.500	0	0	1	0	0	1
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF		1.000	0	0	1	0	NR	1
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG		0.750 0.750 0.750	0 0 0	0 0 0	0 1 0	1 4 1	NR NR NR	1 5 1
Federal institutional cor engineering controls re								
US ENG CONTROLS US INST CONTROL		1.000 1.000	0 0	0 0	1 1	0 0	NR NR	1 1
Federal ERNS list								
ERNS		0.500	0	0	0	NR	NR	0
State- and tribal - equiva	alent NPL							
RESPONSE		1.500	0	0	0	0	0	0
State- and tribal - equiva	alent CERCLIS	3						
ENVIROSTOR		1.500	0	0	0	0	0	0
State and tribal landfill a solid waste disposal site								
SWF/LF		1.000	0	0	0	0	NR	0
State and tribal leaking	storage tank l	ists						
LUST SLIC		1.000 1.000	0 0	0 0	0 0	4 0	NR NR	4 0

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		1.000	0	0	0	0	NR	0
State and tribal registere	d storage tai	nk lists						
UST AST INDIAN UST FEMA UST		0.750 0.750 0.750 0.750	0 0 0	0 0 0 0	4 1 0 0	3 4 0 0	NR NR NR NR	7 5 0 0
State and tribal voluntary	cleanup site	es						
VCP INDIAN VCP		1.000 1.000	0 0	0 0	0 0	0 0	NR NR	0 0
ADDITIONAL ENVIRONMEN	TAL RECORDS	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS		1.000	0	0	0	0	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
DEBRIS REGION 9 ODI WMUDS/SWAT SWRCY HAULERS INDIAN ODI		1.000 1.000 1.000 1.000 0.500 1.000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 1	0 0 2 0 NR 0	NR NR NR NR NR	0 0 2 0 1 0
Local Lists of Hazardous Contaminated Sites	waste/							
US CDL HIST Cal-Sites SCH Toxic Pits CDL US HIST CDL		0.500 1.500 0.750 1.500 0.500 0.500	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR 0 0 0 NR NR	NR 0 NR 0 NR NR	0 0 0 0 0
Local Lists of Registered	Storage Tar	ıks						
CA FID UST HIST UST SWEEPS UST		0.750 0.750 0.750	0 0 0	0 0 0	1 0 1	0 0 0	NR NR NR	1 0 1
Local Land Records								
LIENS 2 LUCIS LIENS DEED		0.500 1.000 0.500 1.000	0 0 0 0	0 0 0 0	0 0 0 0	NR 0 NR 0	NR NR NR NR	0 0 0 0
Records of Emergency R	elease Repo	rts						
HMIRS CHMIRS LDS		0.500 0.500 0.500	0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0

<u>/8 1/8 - 1/4 1/4 - 1/2 1/2 - </u>	Search Target Distance Property (Miles) < 1	<u>4 - 1/2</u> <u>1/2 - 1</u> > 1	Total Plotted
	0.500 ( 0.500 (		
	ords		
0 0 1	0.750	0 1 NR	1
	0.500		
	1.500		1
	1.500		0
	1.500 ( 1.500 (		0 1
	1.000		0
	0.750		0
	0.500		
	0.500		0
	0.500		
	0.500		
	0.500		
	0.500 ( 0.500 (		
	0.500		
	0.500		
	0.500		
	0.500		
	1.500		0
	X 0.500 (		6
	0.500		
	1.000 ( 0.500 (		0 0
	1.500		0
			2
	0.750	-	
	X 0.500		
	0.500		
			0
			0 0
			0
			1
			0
0 0 NF	0.500	0 NR NR	0
0 0 NF	0.500	0 NR NR	0
	RDS		
	5		
0 0 0	1.500 ( ns 0.750 ( 0.750 (	0 0 NR	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X 0.500 0 0 0.500 0 0.500 0 0.500 0 0.750 0 0.500 0 0.750 0 0.500 0 0.750 0 0.500 0 0.750 0 0.500 0 0.750 0 0.750 0 0.500 0 0.750 0 0.	0 0 NR NR NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

Search

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

Α1 **BAKER RNCH NPDES** S109436917 **Target** 

**BAKE PKWY AND DIMENSION DR** N/A

**Property** ORANGE, CA

Site 1 of 2 in cluster A

NPDES: Actual: 752 ft.

Npdes Number: Not reported Facility Status: Active Agency Id: 309463 Region: Regulatory Measure Id: 214578 Order No: 99-08DWQ

Regulatory Measure Type: Storm water construction

Place Id: 211009 WDID: 9 30C314995 CONSTW Program Type: Adoption Date Of Regulatory Measure: Not reported Effective Date Of Regulatory Measure: 2/5/2001 Expiration Date Of Regulatory Measure: Not reported Termination Date Of Regulatory Measure: Not reported Discharge Name: Shea Property

Discharge Address: 26840 Laguna Hills Dr Ste 100

Discharge City: Aliso Viejo Discharge State: CA

Discharge Zip: 92656-2624

**A2 BAKER RANCH PROPERTIES HAZNET** S104572601 **BAKE PKWY & DIMENSION DR Target** N/A

LAKE FOREST, CA 92630 **Property** 

Site 2 of 2 in cluster A

HAZNET: Actual:

CAC002221321 752 ft. Gepaid:

Contact: **BAKER RANCH PROPERTIES** 

Telephone: 9494750890 Facility Addr2: Not reported Mailing Name: Not reported PO BOX 22 Mailing Address:

Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange TSD EPA ID: CAT080013352 TSD County: Los Angeles

Waste oil and mixed oil Waste Category:

Disposal Method: Recycler 0.417 Tons: Facility County: Orange

**EDR ID Number** 

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

DOD EL TORO MARINE CORPS AIR STATION (CLOSED)

DOD CUSA143948 N/A

**EDR ID Number** 

Region NW

**EL TORO MARINE CORPS AIR (County), CA** 

1/2-1 2651 ft.

DOD:

Feature 1: Marine Corps DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported

Name 1: El Toro Marine Corps Air Station (Closed)

Name 2: Not reported Name 3: Not reported

State: CA DOD Site: Yes

Tile name: CAORANGE

\_\_\_\_

NPL Region NW 1/4-1/2 2484 ft. USMC AIR STATION EL TORO LAT 33 40 19 LONG 117 43 43 NEAR EL TORO, CA 92709 RCRA-TSDF 1000417911
NPL CA6170023208
CERCLIS
CORRACTS
RCRA-SQG
US ENG CONTROLS
US INST CONTROL
ROD
PADS
FINDS

**RAATS** 

RCRA-TSDF:

Date form received by agency: 01/29/2002

Facility name: MARINE CORPS AIR STATION, EL TORO

Facility address: MCAS EL TORO EL TORO, CA 92709

EPA ID: CA6170023208

Mailing address: CARETAKER SITE OFFICE

PO BOX 444

EAST IRVINE, CA 92650

Contact: EDWARD L NUNN
Contact address: Not reported

Contact address: Not reported Not reported

Contact country: Not reported
Contact telephone: (619) 572-1404
Contact email: Not reported

EPA Region: 09
Land type: Federal
Classification: TSDF

Description: Handler is engaged in the treatment, storage or disposal of hazardous

waste

TSD commencement date: Not reported

Owner/Operator Summary:

Owner/operator name: U.S. MARINE CORPS

Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Federal

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

### **USMC AIR STATION EL TORO (Continued)**

1000417911

**EDR ID Number** 

Owner/Operator Type: Owner
Owner/Op start date: 03/17/1943
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Unknown Transporter of hazardous waste: Unknown Treater, storer or disposer of HW: No Underground injection activity: Unknown On-site burner exemption: Unknown Furnace exemption: Unknown Used oil fuel burner: Unknown Used oil processor: Unknown User oil refiner: Unknown Used oil fuel marketer to burner: Unknown Used oil Specification marketer: Unknown Used oil transfer facility: Unknown Used oil transporter: Unknown

Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 01/29/2002

Facility name: MARINE CORPS AIR STATION, EL TORO

Classification: Large Quantity Generator

Date form received by agency: 10/12/2000

Facility name: MARINE CORPS AIR STATION, EL TORO

Site name: MCAS EL TORO
Classification: Large Quantity Generator

Date form received by agency: 04/15/1999

Facility name: MARINE CORPS AIR STATION, EL TORO

Site name: MCAS EL TORO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

Facility name: MARINE CORPS AIR STATION, EL TORO

Site name: USMC AIR STATION EL TORO Classification: Large Quantity Generator

Date form received by agency: 01/31/1996

Facility name: MARINE CORPS AIR STATION, EL TORO

Site name: USMC MCAS EL TORO Classification: Large Quantity Generator

Date form received by agency: 03/30/1994

Facility name: MARINE CORPS AIR STATION, EL TORO

Site name: USMC MCAS EL TORO Classification: Large Quantity Generator

Date form received by agency: 10/26/1993

Facility name: MARINE CORPS AIR STATION, EL TORO

Site name: USMC AIR STATION EL TORO Classification: Large Quantity Generator

Map ID MAP FINDINGS

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **USMC AIR STATION EL TORO (Continued)**

1000417911

Date form received by agency: 02/29/1992

MARINE CORPS AIR STATION, EL TORO Facility name:

MCAS EL TORO FMD 1JG B.368 Site name:

Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 10/01/1986 CA049PA Event:

Event date: 10/01/1986 Event: CA029SF

06/01/1987 Event date: Event: CA049SI

10/24/1990 Event date: Event: **CMS** Imposition

Event date: 10/24/1990 Event: **RFI** Imposition

Event date: 04/20/1991

Event: CA Prioritization, Facility or area was assigned a medium corrective

action priority.

Event date: 01/01/1996

CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Event:

Action at the facility or area referred to CERCLA.

Event date: 05/01/1996

Event: RFA Completed, Assessment was an RFA.

Event date: 01/23/1997

Event: RFI Workplan Approved

Event date: 01/23/1997 Event: **RFI** Approved Event date: 01/23/1997 Event: CMS Approved

Event date: 01/23/1997

Event: CMS Workplan Approved

Event date: 09/30/1997

Event: Date For Remedy Selection (CM Imposed)

Event date: 06/17/1998

Stabilization Measures Evaluation, This facility is amenable to Event:

stabilization activity based on the status of corrective action work

at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

06/17/1998 Event date:

Event: Current Human Exposures under Control, Current human exposures are NOT

under control.

Map ID MAP FINDINGS Direction

Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **USMC AIR STATION EL TORO (Continued)**

1000417911

Event date: 06/17/1998

Event: CA Responsibility Referred To A Non-RCRA Federal Authority

Event date:

Event: Igration of Contaminated Groundwater under Control, Unacceptable

migration of contaminated groundwater is observed or expected.

Event date: 07/23/2004

Event: Corrective Action Process Terminated

Event date: 08/29/2005

Corrective Action Process Terminated Event:

Facility Has Received Notices of Violations:

Regulation violated: FR - 264.10-18.B TSD - General Area of violation: Date violation determined: 05/20/1997 Date achieved compliance: 01/14/1998

Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

05/20/1997 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60 Generators - General Area of violation:

Date violation determined: 05/20/1997 Date achieved compliance: 01/14/1998 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 05/20/1997 Enf. disposition status: Not reported Not reported Enf. disp. status date: Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C Area of violation: Generators - General

Date violation determined: 05/20/1997 Date achieved compliance: 01/14/1998 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 05/20/1997 Enf. disposition status: Not reported Not reported Enf. disp. status date: Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

FR - 264.170-177.I Regulation violated:

Map ID MAP FINDINGS

Direction Distance Elevation

n Site Database(s) EPA ID Number

### USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Area of violation: TSD - General Date violation determined: 05/20/1997 Date achieved compliance: 01/14/1998 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/20/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 261.5

Area of violation: Generators - General

Date violation determined: 03/27/1996
Date achieved compliance: 09/27/1996
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/27/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.50-60
Area of violation: Generators - General

Date violation determined: 03/27/1996
Date achieved compliance: 09/27/1996
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/27/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General

Date violation determined: 03/27/1996
Date achieved compliance: 09/27/1996
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/27/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.40-43.D Area of violation: Generators - General

MAP FINDINGS Map ID Direction

Distance Elevation

Site Database(s) **EPA ID Number** 

### **USMC AIR STATION EL TORO (Continued)**

1000417911

**EDR ID Number** 

Date violation determined: 03/27/1996 09/27/1996 Date achieved compliance: Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 03/27/1996 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

F - 262.30-34.C Regulation violated: Area of violation: Generators - General

Date violation determined: 03/26/1996 Date achieved compliance: 09/27/1996

Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 03/27/1996 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I Area of violation: TSD - General Date violation determined: 04/19/1995 05/01/1995 Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 04/19/1995 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D TSD - General Area of violation: Date violation determined: 04/19/1995 Date achieved compliance: 05/01/1995 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

04/19/1995 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C TSD - General Area of violation: Date violation determined: 04/19/1995

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number** 

### **USMC AIR STATION EL TORO (Continued)**

1000417911

**EDR ID Number** 

Date achieved compliance: 05/01/1995 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

04/19/1995 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B Area of violation: TSD - General Date violation determined: 04/19/1995 Date achieved compliance: 05/01/1995 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 04/19/1995 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C Area of violation: TSD - General Date violation determined: 12/28/1993 Date achieved compliance: 01/17/1994 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 12/28/1993 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL Area of violation: LDR - General 12/09/1992 Date violation determined: Date achieved compliance: 09/26/1994 Violation lead agency: State

INITIAL 3008(A) COMPLIANCE Enforcement action:

Enforcement action date: 03/10/1993 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State 80500 Proposed penalty amount: Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B Area of violation: TSD - General 12/09/1992 Date violation determined: Date achieved compliance: 09/26/1994

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

### USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/09/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 04/26/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported 42000 Paid penalty amount: 42000

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 04/26/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 42000
Paid penalty amount: 42000

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/09/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D Area of violation: Generators - General

Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

### USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 80500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B Area of violation: TSD - General Date violation determined: 12/09/1992 Date achieved compliance: 09/26/1994 Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 80500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D Area of violation: Generators - General

Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/09/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 04/26/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Final penalty amount: 42000
Paid penalty amount: 42000

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **USMC AIR STATION EL TORO (Continued)**

1000417911

Enforcement action date: 03/10/1993 Enf. disposition status: Not reported Not reported Enf. disp. status date: Enforcement lead agency: State Proposed penalty amount: 80500 Final penalty amount: Not reported Paid penalty amount: Not reported

FR - 262.40-43.D Regulation violated: Area of violation: Generators - General

Date violation determined: 12/09/1992 Date achieved compliance: 09/26/1994 Violation lead agency: State

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 04/26/1993 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: 42000 Paid penalty amount: 42000

Regulation violated: FR - 270 Area of violation: TSD - General Date violation determined: 12/09/1992 09/26/1994 Date achieved compliance: Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/09/1992 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported

Final penalty amount: Not reported Not reported Paid penalty amount:

FR - 268 ALL Regulation violated: Area of violation: LDR - General Date violation determined: 12/09/1992 Date achieved compliance: 09/26/1994 Violation lead agency: State

FINAL 3008(A) COMPLIANCE ORDER Enforcement action:

Enforcement action date: 04/26/1993 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported

Final penalty amount: 42000 Paid penalty amount: 42000

FR - 264.10-18.B Regulation violated: Area of violation: TSD - General Date violation determined: 12/09/1992 Date achieved compliance: 09/26/1994 Violation lead agency: State

FINAL 3008(A) COMPLIANCE ORDER Enforcement action:

Enforcement action date: 04/26/1993

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported 42000 Paid penalty amount: 42000

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 03/10/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 80500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violatica load agreement

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/09/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/09/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 12/09/1992
Date achieved compliance: 09/26/1994
Violation lead agency: State

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 03/10/1993 Enf. disposition status: Not reported

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

## **USMC AIR STATION EL TORO (Continued)**

1000417911

**EDR ID Number** 

Enf. disp. status date: Not reported State Enforcement lead agency: Proposed penalty amount: 80500 Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I Area of violation: TSD - General 10/05/1992 Date violation determined: Date achieved compliance: 12/09/1992 Violation lead agency: FPA

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 10/09/1992 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: **EPA** Proposed penalty amount: Not reported

Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 270 Area of violation: TSD - General 10/05/1992 Date violation determined: Date achieved compliance: 12/09/1992 Violation lead agency: **EPA** 

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 10/09/1992 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: **EPA** Proposed penalty amount: Not reported

Final penalty amount: Not reported Paid penalty amount: Not reported

FR - 264.10-18.B Regulation violated: TSD - General Area of violation: 09/30/1991 Date violation determined: Date achieved compliance: 11/25/1991 Violation lead agency: **EPA** 

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 10/21/1991 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: **EPA** 

Proposed penalty amount: Not reported

Final penalty amount: Not reported Paid penalty amount: Not reported

FR - 270 Regulation violated: TSD - General Area of violation: Date violation determined: 09/30/1991 Date achieved compliance: 11/25/1991 Violation lead agency: **EPA** 

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/21/1991 Enf. disposition status: Not reported Enf. disp. status date: Not reported

Distance Elevation Site

Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Enforcement lead agency:
Proposed penalty amount:
Final penalty amount:
Paid penalty amount:
Not reported
Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 09/30/1991
Date achieved compliance: Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/21/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Final penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General

Not reported

Date violation determined: 09/30/1991 Date achieved compliance: 11/25/1991

Violation lead agency: EPA

Paid penalty amount:

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/21/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Not reported Paid penalty amount: Not reported Not reported

Regulation violated: FR - 262.20-23.B Area of violation: Generators - General

Date violation determined: 09/30/1991
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/21/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Final penalty amount: Not reported Not reported Paid penalty amount: Not reported Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 09/30/1991
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/21/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Direction Distance Elevation

ation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 262.40-43.D
Area of violation: Generators - General

Date violation determined: 09/30/1991
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/21/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General

Date violation determined: 09/30/1991
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 10/21/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 06/13/1990
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 08/06/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 06/13/1990
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 09/28/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

Date violation determined: 07/11/1989
Date achieved compliance: 06/13/1990
Violation lead agency: EPA

Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL

Enforcement action date: 08/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 07/11/1989
Date achieved compliance: 06/13/1990
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 07/11/1989
Date achieved compliance: 06/13/1990
Violation lead agency: EPA

Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL

Enforcement action date: 08/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Final penalty amount: Not reported Not reported Not reported Not reported Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

Date violation determined: 07/11/1989
Date achieved compliance: 06/13/1990
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/17/1989
Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Proposed penalty amount: Final penalty amount: Not reported

Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/11/1989
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL

Enforcement action date: 08/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 07/11/1989
Date achieved compliance: 06/13/1990

Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/11/1989
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 08/06/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Proposed penalty amount: Proported
Final penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 07/11/1989
Date achieved compliance: 06/13/1990
Violation lead agency: EPA

Paid penalty amount:

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Not reported

Enforcement action date: 09/28/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **USMC AIR STATION EL TORO (Continued)**

1000417911

Regulation violated: FR - 268 ALL Area of violation: LDR - General 07/11/1989 Date violation determined: 06/13/1990 Date achieved compliance: Violation lead agency: **EPA** 

INITIAL 3008(A) COMPLIANCE Enforcement action:

Enforcement action date: 08/06/1990 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: **EPA** Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL Area of violation: LDR - General 07/11/1989 Date violation determined: Date achieved compliance: 06/13/1990 Violation lead agency: **EPA** 

EPA TO STATE ADMINISTRATIVE REFERRAL Enforcement action:

Enforcement action date: 08/17/1989 Enf. disposition status: Not reported Not reported Enf. disp. status date: Enforcement lead agency: **EPA** Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 270 TSD - General Area of violation: 07/11/1989 Date violation determined: Date achieved compliance: 11/25/1991 Violation lead agency: **EPA** 

Enforcement action: WRITTEN INFORMAL

08/17/1989 Enforcement action date: Not reported Enf. disposition status: Enf. disp. status date: Not reported Enforcement lead agency: **EPA** Proposed penalty amount: Not reported Final penalty amount: Not reported

Regulation violated: FR - 264.110-120.G TSD - Closure/Post-Closure Area of violation:

Date violation determined: 07/11/1989 Date achieved compliance: 06/13/1990 Violation lead agency: **EPA** 

Paid penalty amount:

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Not reported

Enforcement action date: 09/28/1990 Not reported Enf. disposition status: Enf. disp. status date: Not reported Enforcement lead agency: **EPA** Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 270

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Area of violation: TSD - General Date violation determined: 07/11/1989
Date achieved compliance: 11/25/1991
Violation lead agency: EPA

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 09/28/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

Date violation determined: 07/11/1989
Date achieved compliance: 06/13/1990
Violation lead agency: EPA

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 08/06/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Final penalty amount: Not reported Not reported Not reported Regulation violated: FR - 268 ALL

Area of violation:
Date violation determined:
Date achieved compliance:
Violation lead agency:

LDR - General
07/11/1989
06/13/1990
EPA

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 09/28/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 07/11/1989
Date achieved compliance: 06/13/1990
Violation lead agency: EPA

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 08/06/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Date violation determined: 08/17/1988
Date achieved compliance: 07/11/1989
Violation lead agency: EPA

Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL

Enforcement action date: 11/17/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/17/1988
Date achieved compliance: 07/11/1989
Violation lead agency: EPA

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 08/06/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

Date violation determined: 08/17/1988
Date achieved compliance: 07/11/1989
Violation lead agency: EPA

Enforcement action: INITIAL 3008(A) COMPLIANCE

Enforcement action date: 08/06/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed populty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/17/1988
Date achieved compliance: 07/11/1989
Violation lead agency: EPA

Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL

Enforcement action date: 11/17/1988
Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: EPA
Proposed penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/17/1988

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Date achieved compliance: 07/11/1989 Violation lead agency: EPA

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 09/28/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

Date violation determined: 08/17/1988
Date achieved compliance: 07/11/1989
Violation lead agency: EPA

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Enforcement action date: 09/28/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

Date violation determined: 08/17/1988
Date achieved compliance: 07/11/1989
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/17/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Final penalty amount: Not reported Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/17/1988
Date achieved compliance: 07/11/1989
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/17/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/05/1987
Date achieved compliance: 08/17/1988

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **USMC AIR STATION EL TORO (Continued)**

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Violation lead agency: **EPA** 

Regulation violated:

Paid penalty amount:

Area of violation:

Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL

FR - 268 ALL

LDR - General

Not reported

Enforcement action date: 10/30/1987 Not reported Enf. disposition status: Enf. disp. status date: Not reported Enforcement lead agency: **EPA** 

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Date violation determined: 03/05/1987 Date achieved compliance: 08/17/1988 Violation lead agency: **EPA** Enforcement action: Not reported Not reported Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported

FR - 268.7 Regulation violated: Area of violation: LDR - General Date violation determined: 03/05/1987 Date achieved compliance: 08/17/1988 Violation lead agency: **EPA** 

Not reported Enforcement action: Not reported Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: Not reported Not reported Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount:

**Evaluation Action Summary:** 

Evaluation date: 01/14/1998

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 05/20/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General 01/14/1998 Date achieved compliance: Evaluation lead agency: State

Evaluation date: 05/20/1997

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Generators - General

Date achieved compliance: 01/14/1998 Evaluation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Evaluation date: 03/26/1996

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 09/27/1996 Evaluation lead agency: State

Evaluation date: 03/30/1995

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 05/01/1995 Evaluation lead agency: State

Evaluation date: 11/17/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 01/17/1994 Evaluation lead agency: State

Evaluation date: 10/26/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 09/26/1994 Evaluation lead agency: State

Evaluation date: 10/26/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 09/26/1994 Evaluation lead agency: State

Evaluation date: 10/26/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: LDR - General Date achieved compliance: 09/26/1994 Evaluation lead agency: State

Evaluation date: 09/17/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

EPA

Evaluation date: 06/17/1992

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 12/09/1992

Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/17/1991

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 11/25/1991 Evaluation lead agency: EPA

Evaluation date: 06/17/1991

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Date achieved compliance: 11/25/1991 Evaluation lead agency: EPA

Evaluation date: 06/13/1990

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 11/25/1991 Evaluation lead agency: EPA

Evaluation date: 07/11/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 06/13/1990 Evaluation lead agency: EPA

Evaluation date: 07/11/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: LDR - General Date achieved compliance: 06/13/1990 Evaluation lead agency: EPA

Evaluation date: 07/11/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 11/25/1991

Evaluation lead agency: EPA

Evaluation date: 08/17/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 07/11/1989 Evaluation lead agency: EPA

Evaluation date: 08/17/1988

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - Closure/Post-Closure

Date achieved compliance: 07/11/1989 Evaluation lead agency: EPA

Evaluation date: 03/05/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: LDR - General Date achieved compliance: 08/17/1988 Evaluation lead agency: EPA

Evaluation date: 03/05/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: TSD - General Date achieved compliance: 08/17/1988 Evaluation lead agency: EPA

NPL:

EPA ID: CA6170023208

EPA Region: 09 Federal: Y

Final Date: 2/21/1990

Direction Distance Elevation

tion Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

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**EDR ID Number** 

Category Details:

NPL Status: Currently on the Final NPL

Category Description: Depth To Aquifer-> 50 And <= 100 Feet

Category Value: 100

NPL Status: Currently on the Final NPL

Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile

Category Value: 10

Site Details:

Site Name: EL TORO MARINE CORPS AIR STATION

Site Status: Final Site Zip: 92709 Site City: **EL TORO** Site State: CA Federal Site: Yes **ORANGE** Site County: EPA Region: 09 Date Proposed: 06/24/88 Date Deleted: Not reported Date Finalized: 02/21/90

Substance Details:

NPL Status: Currently on the Final NPL

Substance ID: Not reported Substance: Not reported CAS #: Not reported Pathway: Not reported Scoring: Not reported

NPL Status: Currently on the Final NPL

Substance ID: A046

Substance: POLYCHLORINATED BIPHENYLS

CAS #: 1336-36-3

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: D008 Substance: LEAD (PB) CAS #: 7439-92-1

Pathway: GROUND WATER PATHWAY

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U044

Substance: CHLOROFORM

CAS #: 67-66-3

Pathway: GROUND WATER PATHWAY

Scoring: 4

NPL Status: Currently on the Final NPL

Substance ID: U210

Substance: TETRACHLOROETHENE

CAS #: 127-18-4

Pathway: GROUND WATER PATHWAY

Direction Distance Elevation

e EDR ID Number on Site Database(s) EPA ID Number

#### **USMC AIR STATION EL TORO (Continued)**

1000417911

Scoring:

NPL Status: Currently on the Final NPL

2

Substance ID: U211

Substance: CARBON TETRACHLORIDE

CAS #: 56-23-5

Pathway: GROUND WATER PATHWAY

Scoring: 4

NPL Status: Currently on the Final NPL

Substance ID: U228

Substance: TRICHLOROETHYLENE (TCE)

CAS #: 79-01-6

Pathway: NO PATHWAY INDICATED

Scoring: 1

#### Summary Details:

Conditions at proposal June 24, 1988): The El Toro Marine Corps Air Station covers approximately 4,700 acres southeast of Santa Ana in El Toro, Orange County, California. Commissioned in 1943, it supports the Fleet Marine Forces in the Pacific Ocean. The surrounding area, once primarily agricultural, is urbani ing rapidly. Station El Toro is participating in the Installation Restoration Program IRP), established in 1978. Under the program, the Department of Defense seeksto identify, investigate, and clean up contamination from ha ardous materials. As part of IRP, the Navy identified 21 problem areas at the station, including three landfills containing both ha ardous and solid waste; buried drums of explosives and low-level radioactive waste; and areas where PCBs, battery acids, leaded fuels, and other ha ardous substances were dumped or spilled. In tests conducted early in 1987, the Orange County Water District found trichloroethylene and tetrachloroethylene in shallow irrigation wells on and downgradient of the site. An estimated 1,100 acres of land are irrigated by wells within 3 miles of the site. Status February 21, 1990): In April 1989, Station El Toro prepared a Perimeter Investigation Interim Report which focused on four contaminated areas. Further studies are continuing to determine the extent and sources of contamination.

Site Status Details:

NPL Status: Final
Proposed Date: 06/24/1988
Final Date: 02/21/1990
Deleted Date: Not reported

Narratives Details:

NPL Name: EL TORO MARINE CORPS AIR STATION

City: EL TORO State: CA

CERCLIS:

Site ID: 0902770
Federal Facility: Federal Facility

NPL Status: Currently on the Final NPL

Non NPL Status: Not reported

Map ID MAP FINDINGS Direction

Distance Elevation

**EPA ID Number** Site Database(s)

# **USMC AIR STATION EL TORO (Continued)**

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**EDR ID Number** 

CERCLIS Site Contact Name(s):

Contact Name: Karen Jurist Contact Tel: (415) 972-3219

Contact Title: Site Assessment Manager (SAM)

Contact Name: Jeff Inglis (415) 972-3095 Contact Tel:

Contact Title: Site Assessment Manager (SAM)

Contact Name: Carl Brickner Contact Tel: (415) 972-3814

Contact Title: Site Assessment Manager (SAM)

Contact Name: Dawn Richmond Contact Tel: (415) 972-3097

Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):

MARINE CORPS AIR STA EL TORO Alias Name:

Alias Address: Not reported

SANTA ANA, CA

EL TORO MARINE CORPS AIR STATION Alias Name:

Alias Address: EL TORO MARINE CORPS AIR STA

SANTA ANA, CA 92709

Alias Name: EL TORO MARINE CORPS AIR STATION Alias Address:

EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

Alias Name: FORMER MCAS EL TORO Alias Address: EEPB FAC MGMT DEPT

SANTA ANA, CA 91702

Site Description: MCAS EI Toro was commissioned in 1943 as a Marine Corps pilot fleet operation

training facility. In 1950, the Station was selected for development as a master jet station and permanent center for Marine Corps aviation on the west coast. The Station mission has involved the operation and maintenance of military aircraft and ground-support equipment. These activities generated oils, solvents, paint residues, hydraulic fluid, used batteries, and other wastes. Wastes were placed in unlined on-Station landfills, and burned or covered with soil. Environmental remediation activities at MCAS El Toro are performed under the Installation Restoration Program (IRP). The IRP was developed in 1980 by the United States Department of Defense (DoD) to comply with federal guidelines to manage and control past hazardous waste disposal actions. The first indication of contamination at the Station occurred during routine water-quality monitoring in 1985, when the Orange County Water District discovered trichloroethene (TCE) in groundwater at an irrigation well located approximately 3,000 feet downgradient of MCAS El Toro. In 1985, the DON began to work on an Initial Assessment Study (IAS) to locate potentially contaminated sites on the Station. This work was conducted for the Naval Facilities Engineering Command under the Navy Assessment and Control of Installation Pollutants Program, which was the DON version of the DoD IRP at that time. The IAS report identified 17 sites as potential sources of contamination. The identification of potentially contaminated sites was based on the results of record searches and employee interviews. The report recommended sampling locations and sample analytical parameters to confirm the suspected contamination at the sites. In 1987, the Marine Corps contracted for a review of the IAS to produce a Site Inspection Plan of Action (SIPOA). In July 1987, while the SIPOA study was underway, (California) Regional Water

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#### **USMC AIR STATION EL TORO (Continued)**

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Quality Control Board (RWQCB) Santa Ana Region issued a cleanup and abatement order to the Marine Corps. This order required the Station to initiate a perimeter groundwater volatile organic compound (VOC) investigation and submit a draft report. The Site Inspection Plan of Action (SIPOA) released in August 1988 included a recommendation of 19 sites for study and amended the site sampling plans proposed in the IAS report. This SIPOA report served as the basis for the Sampling and Analysis Plan for the RI/Feasibility Study (FS) sites. In June 1988, the United States Environmental Protection Agency (U.S. EPA) recommended adding MCAS EI Toro to the National Priorities List (NPL) of the Superfund Program due to VOC groundwater contamination at the Station boundary and in the agricultural wells west of the Station. MCAS El Toro was added to the National Priorities List (NPL) on 15 February 1990. In October 1990, the Marine Corps/DON signed a Federal Facilities Agreement (FFA) with U.S. EPA Region IX, California Department of Health Services, and the RWQCB Santa Ana Region. The FFA is a cooperative agreement that: 1) assures environmental impacts are investigated and appropriate response actions are taken to protect human health and the environment; 2) establishes a procedural framework and schedule for developing, implementing, and monitoring appropriate response actions; 3) facilities cooperation, exchange of information, and participation of the parties; and 4) assures adequate assessment, prompt notification, and coordination between federal and state agencies. The implementation of the FFA is included as one of the responsibilities of the Base Realignment and Closure (BRAC) Cleanup Team (BCT). The BCT consists of representatives from the DON Southwest Division Naval Facilities Engineering Command (SWDIV), U.S. EPA, DTSC, and RWQCB Santa Ana Region. The team was established to manage and coordinate environmental restoration and compliance programs related to the operational closure of MCAS El Toro by July 1999. In addition, the MCAS El Toro BCT has specified in its mission and vision statements that: 1) fast-track remediation of sites is necessary to expedite reuse; and 2) restoration and reuse is to be maximized by 1999. In December 1989, the DON began to prepare a Phase I RI Work Plan and associated documents for MCAS El Toro. The DON reviewed the available reports and other documents pertinent to past disposal practices at the Station and concluded that 22 IRP sites would be investigated. These sites were grouped into three OU's. OU-1 comprised the regional VOC groundwater investigation (Site 18), which was conducted both on and off the Station. OU-2 included the four landfill sites (Sites 2, 3, 5, and 17) and Site 10, the Petroleum Disposal Area (this site was later moved to OU-3). The remaining 16 sites were grouped together as OU-3. These sites were considered to be potential sources for a variety of contaminants. The principal objectives of the Phase I RI were to evaluate the source(s) of contamination in regional groundwater west of the Station and determine whether contamination exists and is affecting the environment at sites in OU-2 and OU-3. The results of the Phase I RI were documented in a draft Technical Memorandum issued in July 1993, a draft RI report for OU-1 issued in July 1994, a final Soil Gas Survey Technical Memorandum issued in October 1994 and a draft final interim RI/FS Report for OU-1 issued in August 1996. A variety of contaminants in the groundwater, soil, surface water, and sediment at MCAS El Toro was identified during the Phase I RI. Contaminants in the soil and sediment consisted primarily of low concentrations of semi-volatile organic compounds (SVOCs), petroleum hydrocarbons, pesticides, herbicides, and polychlorinated biphenyls. It was also concluded during the Phase I RI that the source of contamination for regional groundwater is in the southwest quadrant of the Station, but no specific source was identified. The sampling events yielded sufficient information to warrant conducting a preliminary risk assessment of contaminants at the sites for both groundwater and soil contamination. The results of the Phase I RI provided the primary data for the Phase II RI/FS. In March 1993, MCAS El Toro was placed on the

Site

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#### **USMC AIR STATION EL TORO (Continued)**

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BRAC III list of military facilities considered for closure. Under the terms of the FFA, Station closure would not affect the DON's obligation to conduct the RI/FS and to comply with the other requirements of the FFA. Concurrent with the Phase I RI, the DON conducted a Resource Conservation and Recovery Act (RCRA) Facilities Assessment (RFA) at MCAS El Toro. The purpose of the RFA was to evaluate whether an additional 140 sites at MCAS El Toro would require further investigation under the Phase II RI/FS program. The final RFA report was submitted in July 1993. Base on an evaluation of the sampling results, 25 solid waste management units (SWMU's)/areas of concern (AOC's) were recommended for further action. Site 23 (Wastewater Treatment Plant Sewer Lines) was evaluated in the RFA and was recommended for no further action. The sewer lines are located within Site 24, which was added to the Phase II RI scope. Interviews with active and retired personnel form the Fuel Operations Division and Facility Management Department were held in July 1994 at MCAS El Toro. The objectives of the meeting were to confirm and supplement information obtained from past interviews and field investigations, to obtain a better understanding of current and historical operations at MCAS El Toro, and to identify new areas of potential environmental concern at MCAS El Toro. Those interviewed had knowledge of operations and procedures for storage and disposal of hazardous materials and waste. In July 1995, a final Work Plan for the Phase II RI/FS was issued. This Work Plan presented an approach to conduct the Phase II RI at 24 IRP sites including 2 new sites, Site 24 and Site 25. The objectives of the plan were to present a data quality objective-based sampling strategy to establish confidence that inferences made from the data are correct, and, ultimately, to collect sufficient information to support risk management decisions. The Phase II RI was conducted in 195 and 1996. During the same time period, DON performed an evaluation of background concentrations of metals in soils and reference levels for pesticides and herbicides in soils. This enabled site-specific analytical results of soil sampling to be compared with background and reference levels during the RI to identify potential releases. Subsequent to the Phase II RI, an evaluation of metals in groundwater was performed. The purpose of this evaluation was to determine whether the reported concentrations of metals in groundwater at MCAS El Toro reflect ambient conditions or are the result of anthropogenic sources associated with historical Station activities. From 1998 through 1999, the DON conducted a historical radiological assessment (HRA) of MCAS El Toro. The assessment was performed as part of the base closure process, for the release of the Station for reuse. A draft final HRA report summarizing the results of the assessments was issued in November 1999. Former Marine Corps Air Station (MCAS) El Toro lies in a semi-urban agricultural area of southern California, approximately 8 miles southeast of Santa Ana and 12 miles northeast of the city of Laguna Beach. Land northwest of the Station is used for agriculture, whereas the land to the south and northeast is used mainly for commercial, light industrial and residential purposes. Residential areas in the vicinity of Former MCAS El Toro include the cities of Lake Forest, Irvine, and Laguna Hills. Former MCAS El Toro is bordered on the south and west by the city of Irvine and on the north and east by unincorporated lands. Former MCAS El Toro was commissioned in 1943 as a Marine Corps pilot fleet operation training facility. In 1950, the Station was selected for development as a master jet station and permanent center for Marine Corps aviation on the west coast. The Station mission has involved the operation and maintenance of military aircraft and ground-support equipment. Historical activities on the Station included aircraft maintenance and repair. These activities generated oils, solvents, paint residues, hydraulic fluid, used batteries, and other wastes. Waste were placed in unlined landfills and burned or covered with soil. In some cases, wastes were released to the ground directly as the result of spills or dust-suppression activities. To support the Station's mission, facility

Site

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operations were expanded over the years to include runways, aircraft maintenance and training facilities, housing, shopping facilities, and other support facilities. Former MCAS El Toro occupies 4,738 acres of land, including 580 acres that are leased for commercial farming. Approximately 1,000 acres are designated as outleased lands that are not available for development because of airfield safety clearances. The outleased lands are along the perimeter of the Station and are used for agricultural purposes, including landscape nurseries, livestock grazing, and crop production. The adjacent/surrounding land uses around Former MCAS El Toro include residential, commercial, industrial, and recreational. During operations, land use on Former MCAS El Toro consisted of a few general types. General Station land uses are described below for the following four quadrants, as defined by the bisecting north-south and east-west runways. - The northwestern quadrant consisted of the Former MCAS EI Toro headquarters, administrative services, family and bachelor housing, and community support services. - The northeastern quadrant consisted of Marine Aircraft Group activities (e.g. training, maintenance, supply and storage, and airfield operations), family housing, community support services, and ordnance storage in areas isolated by topographic relief and distance from other developments. - The southeastern quadrant consisted of administrative services, maintenance facilities, ordnance storage, and the golf course. - The southwestern quadrant consisted of aircraft maintenance facilities, supply and storage facilities, and limited administrative services. Past operations and practices at Former MCAS EI Toro have contributed to soil and groundwater volatile organic compound (VOC) contamination. Former MCAS El Toro was closed on 02 July 1999. Environmental compliance and restoration activities have continued since Station closure, and a caretaker staff will remain at the Station until property transfer is complete. A community reuse plan was prepared and submitted to the Department of the Navy (DON) in 1996. The reuse plan proposed to use Former MCAS El Toro for a commercial airport as well as for other public uses including schools, parks, wildlife refuges, golf courses, homeless services, and commercial/light-industrial uses. The 1996 plan was refined by the 1999 Airport System Master Plan, which incorporated airport planning activities that resulted in some land use areas being redefined. The DON and the Federal Aviation Administration are evaluating this proposed reuse of Former MCAS EI Toro and other alternatives in their joint environmental impact statement. Former MCAS El Toro lies within the Irvine Forebay I Groundwater Subbasin (Irvine Subbasin), which has been designated by the California Regional Water Quality Control Board (RWQCB) Santa Ana Region as a public water supply source. The regional aquifer at Sites 18 and 24 is not currently a source of municipal drinking water because of widespread elevated concentrations of total dissolved solids (TDS) and nitrates that exceed water quality standards; however, groundwater near the Station is used for agriculture. On-Station irrigation well 18\_TIC055, at the western end of the east-west runway, is connected to the regional irrigation distribution system. Eight other irrigation wells are located in the vicinity of the Station. Well 18JTIC055 is screened in the principal aquifer upgradient of the principal aquifer VOC plume and, because of its upgradient location, does not extract groundwater from the principal aquifer VOC plume. Well 18\_ET1 extracts water from an area within the TCE plume. Although a risk assessment performed by the Orange County Water District (OCWD) in 1986 showed that the water from this well does not represent an unacceptable human health risk, the extracted groundwater is treated using air stripping to remove VOCs before it is discharged for irrigation. The nearest drinking-water well (Tustin Walnut Well) is located at the intersection of Redhill and Walnut, approximately 2.5 miles from the leading edge of the TCE plume; however, the well is not hydraulically downgradient of the plume. The nearest downgradient

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drinking-water well (Dyer Road Well #3) is 3.2 miles from the leading edge of the plume. In addition, the Irvine Ranch Water District (IRWD) plans to acquire well 18JTIC106, located approximately 1 mile from the leading edge of the plume, as a drinking-water well. Environmental remediation activities at Former MCAS El Toro are performed under the Installation Restoration Program (IRP). The IRP was developed in 1980 by the Department of Defense (DoD) to comply with federal guidelines to manage and control contamination from past hazardous waste disposal actions. The first indication of contamination at the Station occurred during routine water quality monitoring in 1985, when OCWD discovered TCE in groundwater at an irrigation well approximately 3,000 feet downgradient of Former MCAS El Toro. In 1985, the DON began to work on an initial assessment study (IAS) to locate potentially contaminated sites on the Station. This work was conducted for the Naval Facilities Engineering Command under the Navy Assessment and Control of Installation Pollutants Program, which was the DON version of the Department of Defense (DoD) IRP at that time. The IAS report identified 17 sites as potential sources of contamination. The report also identified potentially contaminated sites based on the results of record searches and employee interviews and recommended sampling locations and analytical parameters to assess the suspected contamination. In 1987, the Marine Corps contracted for a review of the LAS to produce a site inspection plan of action (SIPOA). The SIPOA, released in August 1988, recommended 19 sites for study and amended the site sampling plans proposed in the IAS report. This SIPOA report was the basis for a sampling and analysis plan for the remedial investigation (RI)/feasibility study (FS) sites. In July 1987, while the SIPOA study was under way, RWQCB Santa Ana Region issued a Cleanup and Abatement Order (CAO) to the Marine Corps requiring the Station to initiate a perimeter groundwater VOC investigation and submit a draft report. Because the investigation revealed VOCs in the shallow groundwater unit near the Station boundary, an interim groundwater pump and treatment system was installed at this boundary. Between June 1989 and September 1993, the system pumped and treated groundwater from three extraction wells at approximately 30 gallons per minute (gpm). Over the life of the system, reported concentrations of TCE in the influent were about 10 to 160 micrograms per liter (ug/L) and reported concentrations of PCE were 25 to 100 ug/L. The extracted groundwater was treated with a granular activated carbon (GAC) treatment system and used to irrigate the Station golf course. On 13 April 1993, RWQCB rescinded the CAO, because the required actions were complete and because the DON had entered into a Federal Facilities Agreement (FFA) to investigate and remediate environmental impacts associated with past and present activities at Former MCAS El Toro. In September 1993, the pump and treatment system was shut down. In June 1988, U.S. EPA recommended adding Former MCAS El Toro to the National Priorities List (NPL) because of VOC contamination at the Station boundary and in the agricultural wells west of the Station. Former MCAS El Toro was added to the NPL on 15 February 1990. In October 1990, the Marine Corps/DON signed an FFA with U.S. EPA Region 9, California Department of Health Services (now referred to as the DTSC), and RWQCB Santa Ana Region. The Base Realignment and Closure (BRAC) Cleanup Team (BCT) is responsible for implementing the FFA. The BCT consists of representatives from the DON Southwest Division Naval Facilities Engineering Command (SWDIV), U.S. EPA, DTSC, and RWQCB Santa Ana Region. The team was established to manage and coordinate environmental restoration and compliance programs related to the closure and disposal of Former MCAS El Toro by July 1999. EPA OU-01: Basewide Groundwater Site 18, the regional groundwater volatile organic compound (VOC) plume, is defined as the area where TCE concentrations are greater than 5 ug/L in the principal aguifer. Site 18 is downgradient of Site 24 and is located entirely off-Station. The contaminated groundwater of Site 18 originates in the shallow aquifer at Site 24, migrates into the principal aquifer near the southwestern

Site

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Station boundary, and extends into the principal aquifer off-Station approximately 3 miles to the west beneath the city of Irvine. The average width of the off-Station VOC plume is approximately 1/2 mile. VOC contamination reaches depths of 450 feet bgs in some areas. Land above the Site 18 groundwater plume has historically been used for agricultural activities. However, recently the land use has changed to mixed-use with agricultural, residential, and commercial areas. The agricultural land use has likely contributed to the reportedly elevated concentrations of total dissolved solids (TDS) and nitrate that is found throughout the basin, but it is not responsible for the extensive VOC contamination that originated at Site 24. Groundwater from Site 18 is also used to supply two artificial surface water bodies, North Lake and South Lakes, and the childrens' wading pools associated with each lake. The lakes are used for recreation, including boating, sailing, fishing, and wading. Site 24 is located in the southwestern quadrant of Former MCAS El Toro. The site is highly industrialized and contains two large aircraft hangars (Buildings 296 and 297) and several smaller buildings that were used for aircraft and vehicle maintenance and repair. The Site 24 surface cover consists of unpaved open ground, asphalt, and concrete. Most of the site (170 acres) is paved. Asphalt-covered areas were used primarily for access roads and parking lots for military and personal vehicles. Concrete covers the areas where most of the industrial activities at Site 24 have been conducted, including slabs for Buildings 296 and 297 (the two aircraft hangars), Building 295 (the helicopter hangar), and Building 324 (the former engine test facility). A network of storm drains collects rainwater from the paved surfaces of Site 24. When industrial activities were conducted at Site 24, wastewater generated from the concrete-paved areas would also have been transported via this network. The network discharges to Agua Chinon Wash on the eastern portion of the site and Bee Canyon Wash on the western portion, near the Station boundaries in these locations. Industrial activities at Site 24, such as dust suppression with waste liquids, paint stripping, degreasing, vehicle and aircraft washing, and waste disposal practices, involved the use of solvents containing VOCs such as trichloroethylene (TCE) and tetrachloroethene (PCE). Waste solvents may have reached the surface or subsurface through leakage, runoff, storm drains, or direct application to the soil and are believed to be the source of VOCs in the regional groundwater. The precise origin, nature, and use of TCE released at the site and the circumstances and quantities of individual releases are not documented. TCE usage at Former MCAS El Toro is believed to have been discontinued in the mid-1970s. The shallow groundwater plume associated with Site 24 originates at this site and extends off-Station approximately to Sand Canyon Avenue. Calculations performed during the Phase II remedial investigation (RI) showed that the concentrations of VOCs present in deeper subsurface soil at Site 24 were high enough to contaminate groundwater to levels above drinking water standards. Groundwater contamination, where present beneath Sites 7, 8, 9, 10, 11, 12, 22, and 25, has its origin at Site 24. The Irvine Desalter Project (IDP) is a local project prompted by a 1984 regional groundwater study that showed inorganic constituents, mainly TDS and nitrates were migrating from the Irvine area toward the main portion of the Orange County groundwater basin. The Irvine area's relatively poor quality of groundwater is mostly attributable to local geology and agricultural practices. After later studies identified VOCs, primarily TCE, in area groundwater, the IDP was modified to address VOCs in addition to TDS and nitrates. The IDP is being designed to meet all federal and state drinking-water standards. The OCWD and IRWD have entered into an agreement that covers design, construction, operation, and funding of the project. The OCWD is responsible for the planning, right-of-way acquisition, design, and construction of project facilities, with full participation by IRWD. IRWD will operate the project facilities. In June 2001, the DON and

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the Department of Justice (DOJ), on behalf of the Marine Corps, OCWD, and IRWD reached an agreement on how the IDP could fulfill the DON's obligation to remediate VOCs while achieving the OCWD and IRWD objectives of treating groundwater containing high concentrations of TDS and nitrates to provide a drinking- and reclaimed-water supply from the principal aquifer. A settlement agreement apportioning costs for the IDP components was signed by the OCWD on 13 June 2001, by IRWD on 19 June 2001, by the DON on 18 July 2001, and by DOJ on 07 September 2001. A Record of Decision (ROD) addressing groundwater contamination at Sites 18 and 24 was signed in June 2002. The DON's selected remedy uses the IDP as the key component of the groundwater treatment system for VOC removal at Sites 18 and 24. The Orange County Water District (OCWD), Irvine Ranch Water District (IRWD), and the Settling Federal Agencies (SFA) comprised of the U.S. Department of Justice (DOJ) and the Department of Navy (DON) reached a Settlement Agreement regarding the Modified Irvine Desalter Project (IDP) to accept and treat groundwater from Site 24 and the PA for VOC removal. Treatment of extracted groundwater contaminated with VOCs is considered the CERCLA Component of the Modified IDP. Groundwater extracted from the SGU will be conveyed by DON to a point of connection to be located at the MCAS El Toro boundary. At the point of connection, IRWD will accept the water and transport it to the Modified IDP for treatment. This Settlement Agreement was incorporated as part of the Final Groundwater ROD. The agreement provides that the United States will bear the VOC treatment costs, and OCWD and IRWD will continue to bear the costs associated with reclaimed water supply treatment requirements, including those for total dissolved solids and nitrates. The agreement specifies the quantity and quality of contaminated water that can be treated by the Modified IDP. An Explanation of Significant Differences addressing Operable Unit 1 was completed in March 2006. EPA OU-02: Site 24 Soil VOC Source Area Site 24 is located in the southwest quadrant of Former MCAS El Toro. Industrial activities at Site 24, such as dust suppression with waste liquids, paint stripping, degreasing, vehicle and aircraft washing, and waste disposal practices involved the use of solvents containing VOCs such as trichloroethene (TCE) and tetrachloroethene (PCE). Waste solvents may have reached the surface or subsurface through leakage. runoff, storm drain flow, or direct application to the soil. The precise origin, nature, and use of TCE released at the site and the circumstances and quantities of individual releases are not documented. TCE usage at Former MCAS El Toro is believed to have been discontinued in the mid-1970s. Site 24 encompasses approximately 200 acres. The site slopes to the west from an elevation of about 320 feet above mean sea level (MSL) at the intersection of the east-west and north south runways to approximately 240 feet above MSL near the end of the east-west runway. The site is largely industrialized and contains two large aircraft hangars (Buildings 296 and 297) and several smaller buildings that were used for aircraft and vehicle maintenance and repair. Maintenance activities (e.g., degreasing) that occurred within these buildings may have contributed to the VOC contamination present at the site. On the basis of current local zoning, the future use of Site 24 is designated as recreational and institutional. Former MCAS El Toro lies within the Irvine Groundwater Management Zone, which has been designated by Santa Ana RWQCB as a public water supply source. The regional aquifer beneath Former MCAS El Toro is not currently a source of municipal drinking water because of widespread elevated concentrations of total dissolved solids and nitrates that exceed water quality standards; however, groundwater in the vicinity of the Station is used for agricultural purposes. The horizontal and vertical extent of VOCs in the vadose zone was characterized using Phase I and Phase II soil and soil gas analytical results. The results confirmed that, at the time of the RI, a primary TCE source area was present beneath Buildings 296 and 297. This source area extended vertically to groundwater directly beneath those buildings, with

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the highest concentrations near the water table. The trend of increasing concentration with depth suggested a depleting source at the surface, which is consistent with the end of TCE usage in approximately 1975. The maximum concentration of TCE reported in soil during the Phase II RI was 190 micrograms per kilogram (ug/kg), compared with a concentration of 400 ug/kg during the Phase I investigation. TCE in soil gas was reported at concentrations up to 6,120 ug/L. This exceeds the concentration in equilibrium with TCE-contaminated groundwater and indicates that an active mechanism existed to transfer TCE in the vadose zone to groundwater. In addition to TCE, other chlorinated VOCs, such as PCE, carbon tetrachloride, and related organic chemicals, were also reported in soil at Site 24, but with less frequency and at much lower concentrations. 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) had a soil gas volume nearly as large as that of TCE, but was not considered a threat to groundwater due to relatively low concentrations and toxicity. Soil Vapor Extraction (SVE) was selected for vadose zone remediation in an interim ROD that was finalized in September 1997. Transfer and installation of the SVE system used at Norton AFB was completed in 1998. In January 1999, the remedial design for the SVE system was completed and operational testing of the central treatment system remediation equipment began. Actual remedial action started in March 1999 with the use of portable SVE systems to extract VOCs from existing SVE wells. The central treatment system operation and installation of the initial phase of additional SVE wells and the associated vapor conveyance piping began in May 1999. By the end of 1999, significant progress had been made in remediating the vadose zone, and vapor concentrations in all the SVE wells were below the soil gas cleanup (threshold) levels. Rebound testing of existing SVE wells and installation of supplemental SVE wells (to confirm that soil gas cleanup goals had been achieved throughout the soil gas plume) were completed in April 2000. In June 2001, a draft closure report for soil at Site 24 was issued. This report is expected to be finalized in spring 2002. Remediation of soil at Site 24 will be discussed further in the final ROD for the Site 24 vadose zone. At the time that the SVE system was shut down, TCE and PCE concentrations in the vadose zone source area were reduced to below the final soil gas threshold concentrations set forth in the Interim ROD. Additionally, attainment of closure goals was confirmed by closure sampling conducted 7 months after shutdown. Between the start of pilot scale testing (April 1995) through September 2000, approximately 2,000 pounds of VOCs was extracted and treated at Site 24. A Record of Decision addressing OU 2 was completed in March 2006. EPA OU-03: Soil at Site 8, 11, and 12 Site 11 is located in the southwest quadrant of the MCAS El Toro and is comprised of three units. Unit 1 is a concrete pad that is about 30 feet by 30 feet in size with a strip of ground adjacent to it. Unit 2 is an asphalt lined drainage ditch, while Unit 3 is the remainder of the unpaved fenced storage yard behind Building 369. A Record of Decision was completed for Site 11 in September 1999. The Navy Installation Restoration Program (IRP) site numbers and names for the sites addressed in this Record of Decision (ROD) are: -Site 8, Defense Reutilization and Marketing Office (DRMO) Storage Area -Site 12, Sludge Drying Beds Both these sites are within Operable Unit (OU)-3A at Former Marine Corps Air Station (MCAS) El Toro. Former MCAS El Toro is situated in south-central Orange County, California, approximately 8 miles southeast of Santa Ana and 12 miles northeast of Laguna Beach. Sites 8 and 12 are located in the southwest quadrant of Former MCAS El Toro. Former MCAS El Toro provided material and support for Marine Corps aviation activities until the Station was closed in July 1999, as a part of the Base Closure and Realignment Act. At its maximum acreage, the Station comprised about 4,740 acres. In February 2005, the Department of Navy (DON) transferred major portion of the Station via public auction to a private developer. Site 8 was formerly a Defense Reutilization and Marketing Office (DRMO) storage area for containerized liquids, and scrap and

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salvage materials from Former MCAS El Toro and Former MCAS Tustin. The scrap materials included mechanical and electrical components and various types of liquids. Site 8 is bounded by South Marine Way to the northeast, Q Street to the northwest, Building 360 to the southwest, and Building 800 to the southeast. Site 8 comprises two distinct but adjacent areas bisected by R Street: an old salvage yard and a main storage yard. These two areas are subdivided into the following five separate units: -Unit 1, East Storage Yard -Unit 2, West Storage Yard -Unit 3, Refuse Pile Area (the location of a former refuse pile within the West Storage Yard) -Unit 4, Polychlorinated Biphenyl (PCB) Spill Area (located within the east storage yard) -Unit 5, Old Salvage Yard Site 12 is located near Plant Road, South Marine Way, and Bee Canyon Wash. Site 12 consists of the following four units: -Unit 1, the former location of the west sludge-drying beds -Unit 2, the former location of the east sludge-drying beds -Unit 3, a drainage ditch -Unit 4, the location of former wastewater treatment plants (WWTPs) Site 8 was used as a storage yard from the early years (late 1940s) of the Station operation. During its operation as a storage area for containerized liquids and scrap, liquids such as lubrication oil, fuels, and solvents may have spilled or leaked, impacting the shallow soil at the site. Soil at the site has also been impacted by the spillage of PCB contaminated oil from scrap electrical components. The Phase I Remedial Investigation (RI) Report documented that in 1984, approximately 5 gallons of PCB-containing oil were spilled from a leaking electrical console in a small area at the east end of the main storage vard. PCB-contaminated soil in the spill area (approximately 1,500 square feet) was excavated to a depth of 1 foot below grade. A hazardous waste contractor transported the excavated soil to an offsite disposal facility. No other spills have been documented at the site. The Phase II RI report documented that a refuse pile (Unit 3) was observed near the center of the main storage yard on aerial photographs dating back to 1952. This refuse pile remained visible in aerial photographs through 1990. The pile was removed and disposed of prior to initiation of the Phase I RI in 1991. In December 1993, the top 2 feet of the soil beneath the refuse pile was excavated and removed from Site 8 by a paving contractor. This soil was placed in a 15-foot deep excavation (pit) at Unit 2 of IRP Site 19. The WWTP at Site 12 ceased operation in the early 1970s and was demolished a few years later. The industrial wastewater treatment plant (IWWTP) was dismantled by 1961. Data collected during the Phase II RI suggest that the aboveground concrete treatment tanks were demolished in place and then covered with approximately 5 to 7 feet of fill material. The sludge produced at this facility was dewatered in the two drying bed areas (east and west). After the plant closed, the sludge remaining in the drying beds was reportedly abandoned in place. The earthen berms surrounding the sludge beds were combined with imported fill material and graded in place. The drainage ditch (Unit 3) at Site 12 is an unimproved earthen channel that skirted both sludge-drying bed areas into a catch basin located north of Plant Road, which connects to the lower reach south of Plant Road via concrete culverts. History of non-radiological investigations Investigation activities and documents have been prepared to address non-radiological contamination including VOCs, semivolatile organic compounds (SVOCs), pesticides, PCBs, total petroleum hydrocarbons (TPH), total recoverable petroleum hydrocarbons (TRPH), herbicides, and target analyte list (TAL) metals at Sites 8 and 12. In 1992 and 1993, the remedial action evaluation process was started for Sites 8 and 12 with a Phase I RI. Subsequent to the Phase I RI, a Phase II RI was conducted from 1995 through 1997 for Sites 8 and 12 in conjunction with other OU-3A site (Site 11). The Phase II RI Report for OU-3A sites (Sites 8, 11, and 12) provided an interpretation of the nature and extent of non-radiological contamination at Sites 8 and 12 based on the review of data obtained from an aerial photograph survey, and soil sampling and analysis conducted as a part of

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the Phase I and Phase II RIs. The site characterization information obtained from the Phase I and Phase II RIs was used to complete a Feasibility Study (FS) for Sites 8 and 12 in July 1997. The FS identified and evaluated the alternatives that could be potentially used to remediate non-radiological chemicals of potential concern (COPCs) (e.g., PCBs and polynuclear aromatic hydrocarbons [PAHs]) at the site. Based on the results of the FS, a Proposed Plan (in conjunction with Site 11) was released for public comment for Site 8, Units 3 and 5; and Site 12, Unit 3 in May 1999. The Proposed Plan identified Alternative 3, excavation, with recycling of the excavated soil as cover material at the on-Station Sites 2 and 17 landfills, as the preferred alternative for the portions of the sites contaminated with non-radiological chemicals. Off-Station disposal of contaminated soil was also presented as a disposal option. The Proposed Plan recommended no further action at Units 1, 2, and 4 of Sites 8 and 12. Following issuance of the Proposed Plan, a Draft ROD was prepared for Sites 8 and 12 in combination with other OU-3A site (Site 11) at Former MCAS El Toro. This Draft ROD selected no further action (NFA) for Site 8. Units 1, 2, and 4 and further action for Site 8. Units 3 and 5. For Site 12, this ROD selected NFA for Site 12, Units 1, 2, and 4 and further action at Site 12, Unit 3. The selected remedy for Site 8, Units 3 and 5; and Site 12, Unit 3 noted as Alternative 3 in the Draft ROD consisted of excavation of non-radiologically contaminated soil with recycling of excavated soil as cover material at the on-Station Site 2 or 17 landfills. The remedy included confirmation sampling after excavation to ensure that the contaminated soil exceeding the residential risk-based concentrations (RBCs) for the non-radiological chemicals of concern (COCs) (e.g., PCBs and PAHs) at each area has been removed. The RBCs were calculated based on the risk assessment conducted as a part of the Phase II RI. As a part of activities conducted following the release of the Draft ROD, the human health risk assessment (HHRA) conducted during the Phase II RI was reviewed in detail. The review showed that several exposure factors and toxicity indices used to derive the risk estimates were not current, based on a comparison with those used by Region 9 of the U.S. EPA in the development of its preliminary remediation goal (PRG) table. It was also determined that the data from additional soil sampling conducted in May 1999 (subsequent to the Phase II RI) at Site 8, Unit 5 and Site 12, Unit 3 should also be incorporated into the risk assessment and the calculation of the RBCs. Thus, a risk reevaluation was conducted, utilizing all the available data and the California Environmental Protection Agency (Cal/EPA) and U.S. EPA Region 9 toxicity information and exposure factors for the year 2000. In general, the results of the updated HHRA indicated lower risks than the Phase II RI risk assessment values. Based on the updated cancer and noncancer risk values, the report concurred with the NFA recommendation in the Draft ROD for Units 1, 2, and 4 of both Sites 8 and 12 for non-radiological contaminants. For Site 8, Units 3 and 5; and Site 12, Unit 3, a reevaluation of the response action documented in the Draft ROD based on the updated site risks and risk management considerations was recommended. Subsequent to the preparation of the FS and Draft ROD, investigations to assess the nature and extent of potential radiological contamination were completed. The history of these investigations is presented below. History of Radiological Evaluation Subsequent to the preparation of the FS and Draft ROD, a radiological evaluation of Sites 8 and 12 was conducted as a part of the stationwide Historical Radiological Assessment (HRA) for Former MCAS El Toro in 1999 and 2000. The purpose of the HRA was to identify potential, likely, or known sources of radioactive material and radioactive contamination based on existing or derived information and to identify sites that need further action as opposed to those posing no threat to human health. As a part of HRA, interviews, records review, site inspections, and limited informal surveys were conducted at Former MCAS El Toro. Based on these investigations, the HRA

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recommended further investigation, including radiological surveys at Sites 8 and 12. For Site 8 this recommendation was based on an employee interview which indicated that small quantities of radium painted parts and gauges may have been stored at Site 8. Site 12 was considered potentially impacted since former IWWTP and sludge drying beds were located downstream of Building 296 (former location of radium room), and processed effluent from the Station buildings connected to the industrial waste sewer system. Subsequent to the issuance of the HRA, on-site radiological characterization surveys and sampling were conducted at Sites 8 and 12 in June through November 2001 and in March 2004. These investigations were performed in accordance with the Radiological Survey Plan and the Radiological Sampling Amendment. An analysis of data obtained from radiological surveys and soil sampling indicated that locations with radium 226 (Ra-226) concentrations greater than background levels are present at Units 1 and 4 of Site 8. However, Ra-226 concentrations were found to be consistent with the background concentrations at Site 12, and Units 2, 3, and 5 of Site 8. Therefore, a radiological release report was issued for Site 12, and Units 2, 3, and 5 of Site 8 in conjunction with IRP Site 25 (Bee Canyon Wash Outfall). Based on the statistical analyses of the Ra-226 data, and risk and dose assessments, this report concluded that the occurrence and distribution of Ra-226 at Units 2, 3, and 5 of Site 8 and Site 12 are consistent with ambient concentrations. Therefore, a Site Evaluation Accomplished (SEA) recommendation was made for Units 2, 3, and 5 of Site 8 and Site 12. The SEA recommendation denotes that the CERCLA requirement for the site evaluation of radionuclides has been accomplished, and radionuclides will be removed from the list of COPCs and further consideration under CERCLA at Units 2, 3, and 5 of Site 8 and Site 12. However, since locations with higher than background concentrations of Ra-226 were found at Units 1 and 4 of Site 8, these units were selected for further response action under CERCLA. A ROD addressing OU 3 was completed in May 2007. EPA OU-04: Sites 2 & 17 Landfills Sites 2 and 17 are located in undeveloped areas, in the foothills of the Santa Ana Mountains, in the eastern portion of MCAS El Toro. Site 2 occupies approximately 27 acres and is situated between Borrego Canyon Wash and one of its tributaries. The site is situated at an elevation approximately 500 feet above mean sea level and is bisected by a man-made drainage channel that trends in a northeast-southwest direction. Site 2 is bounded on the west by Magazine Road and a dirt road runs along the southern and eastern boundary. The operational landfill was used from the late 1950s until about 1980. Until recently, unauthorized disposal has occurred on an intermittent basis in Areas C1, C2, and D2. During the 1970's, all solid waste from MCAS El Toro and some waste from MCAS Tustin were disposed in the Site 2 operational landfill. The suspected types of waste include construction debris, municipal waste, batteries, waste oils, hydraulic fluids, paint residues, transformers, and waste solvents. It is also possible that equipment painted with radium paint, or other low-level radiological materials consistent with Station operations, could have been disposed into the Site 2 landfill. The landfill is not being used currently and has become overgrown with shrubs and grasses, including a few individual plants of coastal sage scrub, which serves as habitat for the California gnatcatcher, a federally listed threatened species. A fill cover of unknown thickness has been placed over the landfill. Site 17 occupies approximately 11 acres in a canyon west of the Magazine Road Landfill. The site is located in a small canyon and extends beyond the canyon mouth onto a flat, weed-covered field formerly used for agriculture. At its lower end, the landfill elevation is about 440 feet above mean sea level; at its upper end in the canyon, the elevation is about 570 feet above mean sea level. The landfill is covered with sparse vegetation and varying amounts of fill. At the time of the Phase II remedial investigation (RI), refuse was visible at several locations and the former wash in the canyon was largely obscured by refuse and soil from the excavation of an

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adjacent hilltop. The Site 17 landfill was actively used from 1981 to 1983 as a Stationwide disposal facility. The site boundaries represent the operational area of the landfill. Aerial photographs indicate that landfilling activities were under way as early as 1970 and continued through 1986. Suspected waste types disposed at the site include domestic waste and rubble, cooking grease, oils and fuels from sumps, and empty drums. Reportedly, any type of waste generated at MCAS El Toro may have been disposed at the landfill. It is also possible that equipment painted with radium paint, or other low-level radiological materials consistent with Station operations, could have been disposed into the Site 17 landfill. From 1996 to 1997, removal actions were undertaken at Sites 2 and 17. Actions included fencing the sites, removing drums and other debris from the surface of the landfill, and constructing drainage features to reduce the erosion that had been occurring at both sides. Sites 2 and 17 were addressed in an interim ROD that was signed in July 2000. The ROD was interim because it presented the selected remedial action for only vadose zone soil at Site 2 and for vadose zone soil and groundwater at Site 17. Remediation of groundwater at Site 2 will be addressed in the final ROD. A radiological survey was conducted at Sites 2 and 17 in August through October 2001. The final ROD will also summarize the results of the survey and address radiological contamination, if any, at both Sites 2 and EPA OU-05: Sites 3 & 5 Landfills Sites 3 and 5 will be addressed in an OU-2C ROD that is expected to be issued to the public in 2002. EPA OU-6: No Further Action Sites Sites 4, 6, 9, 10, 13, 15, 19, 20, 21, and 22 were investigated, found to contain no unacceptable risks to human health or the environment, and recommended for no action. These sites were addressed along with Site 25 in the signed no action ROD, dated September 1997. EPA OU-07: Sites 7 & 14 - No Further Action Sites 7 and 14 were addressed in a no action ROD that was signed in June 2001. EPA OU-08: Site 1 EOD Range Site 1 is a former explosive ordnance disposal (EOD) range. A site-specific perchlorate investigation at this site showed that perchlorate was present above state and federal provisional action levels (PALs) at only one well, located in approximately the center of the site. Perchlorate was also present in 4 of 42 soil samples. However, none of the reported concentrations exceeded residential or industrial preliminary remediation goals. The evaluation of radionuclides confirmed that the radionuclides in groundwater at Former MCAS EI Toro are naturally occurring and are not due to historical activities conducted at the Station. EPA OU-09: Site 16 Burn Pits Site 16, Crash Crew Training Pit No. 2, is located in the northwest quadrant of Former MCAS EI Toro. The site consists of three units. Unit 1, Pits Perimeter Area is an approximately 320- by 260-foot oval-shaped area comprising a buffer zone surrounding three pits that were used for firefighter training exercises. During the operational life of Site 16, this area was regularly tilled as a fire-control measure. Unit 2, Main Fire-Fighting Pits, consists of three unlined earthen pits situated within the boundary of Unit 1. The largest pit, which was used for most of the training exercises and is still present at the site, is roughly circular (approximately 67 feet in diameter), and 2 to 3 feet deep. The residual fluids pit, located about 40 feet south of the main pit and connected to it by a buried pipe, is approximately 12 feet wide, 35 feet long, and 4 to 5 feet deep. The smaller third pit, roughly 10 feet by 3 feet, was used for training with handheld fire extinguishers. The pits have not been used since 1985, and the residual fluids and handheld fire-fighting training pits have been filled to the surrounding grade. Unit 3, Drainage Channel, is a low drainage swale located northwest of the pits. It slopes toward and terminates at a storm drain inlet near the intersection of El Toro Boulevard and closed Runway 21. This unit was recommended for no further action in the RI Report for Site 16. The ground surface at Site 16 consists of bare soil with partial vegetation cover in the area surrounding the main burn pit and along

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the drainage ditch. The bottom of the burn pit itself is bare soil, discolored as a result of the historical activities at this site. The former residual fluids pit has been partially covered by the asphalt pavement surrounding the current concrete-lined crash crew training pits located immediately south of Site 16. Surface drainage from the site appears to flow northwest to a storm drain, which eventually discharges into Bee Canyon Wash. The regional aguifer beneath Former MCAS El Toro is not currently a source of municipal drinking water because of widespread elevated concentrations of total dissolved solids (TDS) and nitrates that exceed water quality standards; however, groundwater in the vicinity of the Station is used for agricultural purposes. Between 1972 and 1985, Site 16 was used by Former MCAS El Toro crash crews as a training area for firefighters. Contamination at the site originated from residual fuels and combustible fluids that were placed in fire-fighting pits, ignited, and extinguished using water or fire extinguishers during fire-fighting practice sessions. Contaminants within the unlined pits have infiltrated the soil and, eventually, migrated into the groundwater. The primary medium of concern at Site 16 is groundwater, which is found at approximately 160 feet below ground surface (bgs). The only chemical of concern in groundwater is trichloroethene (TCE). TCE is present at concentrations above drinking water standards in a plume extending from approximately 200 feet upgradient of the main pit to approximately 330 feet downgradient of the main pit. Although petroleum hydrocarbons are present at Site 16, evaluation and cleanup of these contaminants is not addressed in this Record of Decision (ROD). Petroleum hydrocarbons from fuels and oils burned and released at the site will be addressed in the Petroleum Corrective Action Program. Investigations conducted at Site 16 include aerial photographic surveys, employee interviews, Phase I and Phase II RIs, pre-FS report sampling, and an MPE pilot test conducted in support of the FFS. Data collected during the Site 16 RIs included results of shallow and deeper subsurface soils investigations, groundwater investigations, aerial photograph reviews, and interviews with Former MCAS EI Toro personnel. Following closure of the base, the Department of Navy (DON) finalized an Environmental Impact Report/Environmental Impact Study in March 2002 to evaluate several alternatives for the reuse of the Station. The DON is currently working with the local community to determine an appropriate alternative for the Station. At this time, the most likely reuse of Site 16 is recreational (park). A ROD addressing Unit 3 of OU 9 was completed in August

# **CERCLIS Assessment History:**

Action: DISCOVERY
Date Started: Not reported
Date Completed: 08/01/86
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported Date Completed: 10/01/86

Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 06/01/87

Priority Level: Higher priority for further assessment

Action: HAZARD RANKING SYSTEM PACKAGE

Date Started: Not reported
Date Completed: 06/01/87
Priority Level: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

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Action: PROPOSAL TO NATIONAL PRIORITIES LIST

Date Started: Not reported
Date Completed: 06/24/88
Priority Level: Not reported

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST

Date Started: Not reported
Date Completed: 02/21/90
Priority Level: Not reported

Action: Notice Letters Issued

Date Started: Not reported
Date Completed: 05/21/90
Priority Level: Not reported

Action: INTERAGENCY AGREEMENT NEGOTIATIONS

Date Started: 07/01/89
Date Completed: 09/28/90
Priority Level: Not reported

Action: FEDERAL INTERAGENCY AGREEMENT

Date Started: 09/28/90
Date Completed: 09/28/90
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION

Date Started: 09/28/90
Date Completed: 12/17/93
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Date Started: 09/28/90
Date Completed: 09/29/97
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Date Started: 09/28/90
Date Completed: 09/29/97
Priority Level: Not reported

Action: RECORD OF DECISION

Date Started: Not reported
Date Completed: 09/29/97
Priority Level: Not reported

Action: RECORD OF DECISION

Date Started: Not reported
Date Completed: 09/29/97
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN

Date Started: 01/06/98
Date Completed: 01/20/99
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION

Date Started: 09/30/97

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Date Completed: 09/07/99 Not reported Priority Level:

Action: RECORD OF DECISION

Date Started: Not reported 09/30/99 Date Completed: Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Date Started: 09/28/90 07/12/00 Date Completed: Priority Level: Not reported

RECORD OF DECISION Action:

Not reported Date Started: 07/12/00 Date Completed: Priority Level: Not reported

RECORD OF DECISION Action:

Not reported Date Started: Date Completed: 06/06/01 Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Date Started: 09/28/90 Date Completed: 06/27/02 Priority Level: Not reported

RECORD OF DECISION Action:

Date Started: Not reported Date Completed: 06/27/02 Priority Level: Not reported

FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY Action:

09/28/90 Date Started: Date Completed: 06/30/02 Priority Level: Not reported

FEDERAL FACILITY REMEDIAL ACTION Action:

Date Started: 05/17/99 Date Completed: 06/30/02 Priority Level: Not reported

TREATABILITY STUDY Action:

08/28/00 Date Started: Date Completed: 08/28/02 Priority Level: Not reported

FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY Action:

Date Started: 04/30/94 Date Completed: 08/30/02 Priority Level: Not reported

RECORD OF DECISION Action:

Date Started: Not reported Date Completed: 08/16/03 Priority Level: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Date Started: 09/28/90
Date Completed: 03/07/05
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN

Date Started: 01/13/00
Date Completed: 03/31/05
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN

Date Started: 03/01/03
Date Completed: 05/31/05
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN

Date Started: 07/12/00
Date Completed: 11/22/05
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Date Started: 10/25/04
Date Completed: 12/19/05
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN

Date Started: 07/22/05
Date Completed: 01/20/06
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION

Date Started: 03/24/05
Date Completed: 02/03/06
Priority Level: Final RA Report

Action: RECORD OF DECISION

Date Started: Not reported
Date Completed: 03/14/06
Priority Level: Not reported

Action: Explanation Of Significant Differences

Date Started: Not reported
Date Completed: 03/14/06
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION

Date Started: 06/03/05
Date Completed: 12/29/06
Priority Level: Not reported

Action: RECORD OF DECISION

Date Started: Not reported
Date Completed: 05/08/07
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION

Date Started: 01/20/06

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **USMC AIR STATION EL TORO (Continued)**

1000417911

Date Completed: 10/09/07

Priority Level: Interim RA Report

Action: RECORD OF DECISION

Date Started: Not reported 03/06/08 Date Completed: Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION

Date Started: 03/21/05 03/27/08 Date Completed:

Priority Level: Interim RA Report

Action: **Explanation Of Significant Differences** 

Date Started: Not reported 12/15/08 Date Completed: Priority Level: Not reported

FEDERAL FACILITY REMEDIAL DESIGN Action:

09/12/07 Date Started: Date Completed: 12/30/08 Priority Level: Not reported

FEDERAL FACILITY REMEDIAL ACTION Action:

Date Started: 08/25/05 Date Completed: 03/05/09 Priority Level: Not reported

**Explanation Of Significant Differences** Action:

Date Started: Not reported Date Completed: 07/29/09 Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN

09/01/08 Date Started: Date Completed: 08/13/09 Priority Level: Not reported

FEDERAL FACILITY FIVE YEAR REVIEW Action:

Date Started: Not reported 09/28/09 Date Completed: Priority Level: Not reported

RECORD OF DECISION Action:

Not reported Date Started: Date Completed: 08/09/10 Priority Level: Not reported

Action: Restoration Advisory Board

Date Started: 04/01/94 Date Completed: Not reported Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Date Started: 12/06/05 Date Completed: Not reported Priority Level: Not reported

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **USMC AIR STATION EL TORO (Continued)**

1000417911

FEDERAL FACILITY FEASIBILITY STUDY Action:

Date Started: 01/29/07 Date Completed: Not reported Priority Level: Not reported

FEDERAL FACILITY FEASIBILITY STUDY Action:

Date Started: 01/29/07 Date Completed: Not reported Priority Level: Not reported

**OPERATIONS AND MAINTENANCE** Action:

Date Started: 10/09/07 Date Completed: Not reported Priority Level: Not reported

Action: **OPERATIONS AND MAINTENANCE** 

03/27/08 Date Started: Not reported Date Completed: Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION

Date Started: 01/22/09 Date Completed: Not reported Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION

Date Started: 08/17/09 Date Completed: Not reported Priority Level: Not reported

#### CORRACTS:

CA6170023208 EPA ID:

EPA Region:

Area Name: **ENTIRE FACILITY** 

Actual Date: 1/1/1996

CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Action:

Corrective Action at the facility or area referred to CERCLA

NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region:

Area Name: **OU2A - VADOSE ZONE SOILS** 

Actual Date: 1/23/1997

CA300 - CMS Workplan Approved Action:

NAICS Code(s): 92811

**National Security** Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region:

Direction Distance

Elevation Site Database(s) EPA ID Number

**USMC AIR STATION EL TORO (Continued)** 

1000417911

**EDR ID Number** 

Area Name: OU2A - VADOSE ZONE SOILS

Actual Date: 1/23/1997

Action: CA150 - RFI Workplan Approved

NAICS Code(s): 92811

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: OU2A - VADOSE ZONE SOILS

Actual Date: 1/23/1997

Action: CA200 - RFI Approved

NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: OU2A - VADOSE ZONE SOILS

Actual Date: 1/23/1997

Action: CA350 - CMS Approved

NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 4/20/1991

Action: CA075ME - CA Prioritization, Facility or area was assigned a medium

corrective action priority

NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 5/1/1996

Action: CA050RF - RFA Completed, Assessment was an RFA

NAICS Code(s): 92811

**National Security** 

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region:

Area Name: ENTIRE FACILITY

Actual Date: 6/1/1987 Action: CA049SI NAICS Code(s): 92811

**National Security** 

Original schedule date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 6/17/1998

Action: CA225YE - Stabilization Measures Evaluation, This facility is

amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk,

timing considerations and administrative considerations

NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 6/17/1998

Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority

NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region:

Area Name: ENTIRE FACILITY

Actual Date: 6/17/1998

Action: CA725NO - Current Human Exposures Under Control, Current human

exposures are NOT under control

NAICS Code(s): 92811

**National Security** 

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 6/17/1998

Action: CA750NO - Migration of Contaminated Groundwater under Control,

Unacceptable migration of contaminated groundwater is observed or

expected

NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: FOST 1 Actual Date: 7/23/2004

Action: CA999 - Corrective Action Process Terminated

NAICS Code(s): 92811

**National Security** 

Original schedule date: Not reported Schedule end date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## USMC AIR STATION EL TORO (Continued)

EPA ID: CA6170023208

EPA Region:

Area Name: OU2A - VADOSE ZONE SOILS

Actual Date: 7/23/2004

Action: CA999 - Corrective Action Process Terminated

NAICS Code(s): 92811

**National Security** 

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

 EPA Region:
 9

 Area Name:
 FOST 2

 Actual Date:
 8/29/2005

Action: CA999 - Corrective Action Process Terminated

NAICS Code(s): 92811

**National Security** 

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: OU2A - VADOSE ZONE SOILS

Actual Date: 9/30/1997

Action: CA400 - Date For Remedy Selection (CM Imposed)

NAICS Code(s): 92811

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: ENTIRE FACILITY
Actual Date: 10/1/1986
Action: CA029SF
NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: ENTIRE FACILITY
Actual Date: 10/1/1986
Action: CA049PA
NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region:

Area Name: ENTIRE FACILITY
Actual Date: 10/24/1990

Action: CA100 - RFI Imposition

NAICS Code(s): 92811

National Security

**EDR ID Number** 

1000417911

Direction Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: CA6170023208

EPA Region: 9

Area Name: ENTIRE FACILITY
Actual Date: 10/24/1990

Action: CA250 - CMS Imposition

NAICS Code(s): 92811

National Security

Original schedule date: Not reported Schedule end date: Not reported

US ENG CONTROLS:

EPA ID: CA6170023208 Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION Address: EL TORO MARINE CORPS AIR STA

EL TORO M C A S EL TORO, CA 92709

EPA Region: 09
County: ORANGE
Event Code: Not reported
Actual Date: Not reported

Action ID: 001

Action Name: Explanation Of Significant Differences

Action Completion date: 03/14/06 Planned Complet. date: 03/09/06 Operable Unit: 01

Contaminated Media : Groundwater Engineering Control: Discharge

Action ID: 001

Action Name: Explanation Of Significant Differences

Action Completion date: 03/14/06
Planned Complet. date: 03/09/06
Operable Unit: 01
Contaminated Media: Groundwater
Engineering Control: Reinjection

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 06/27/02 Planned Complet. date: 06/02/02 Operable Unit: 01

Contaminated Media : Groundwater Engineering Control: Air Stripping

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 06/27/02 Planned Complet. date: 06/02/02 Operable Unit: 01

Contaminated Media : Groundwater Engineering Control: Carbon Adsorption

Direction Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 06/27/02
Planned Complet. date: 06/02/02
Operable Unit: 01

Contaminated Media : Groundwater Engineering Control: Extraction

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 06/27/02 Planned Complet. date: 06/02/02 Operable Unit: 01

Contaminated Media : Groundwater Engineering Control: Monitoring

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 09/29/97 Planned Complet. date: 09/30/97 Operable Unit: 02 Contaminated Media: Soil

Engineering Control: Carbon Adsorption

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 09/29/97
Planned Complet. date: 09/30/97
Operable Unit: 02
Contaminated Media: Soil
Engineering Control: Monitoring

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 09/29/97 Planned Complet. date: 09/30/97 Operable Unit: 02 Contaminated Media: Soil

Engineering Control: Soil Vapor Extraction (in-situ)

Action ID: 003

Action Name: RECORD OF DECISION

Action Completion date: 07/12/00 Planned Complet. date: 06/30/00 Operable Unit: 04

Contaminated Media : Groundwater Engineering Control: Leachate Control

Action ID: 003

Action Name: RECORD OF DECISION

Action Completion date: 07/12/00
Planned Complet. date: 06/30/00
Operable Unit: 04
Contaminated Media: Groundwater

Contaminated Media : Groundwate Engineering Control: Monitoring

Action ID: 003

**EDR ID Number** 

1000417911

Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

Action Name: RECORD OF DECISION

Action Completion date: 07/12/00
Planned Complet. date: 06/30/00
Operable Unit: 04
Contaminated Media: Soil
Engineering Control: Cap

Action ID: 006

Action Name: RECORD OF DECISION

Action Completion date: 09/29/97
Planned Complet. date: 12/31/97
Operable Unit: 06
Contaminated Media: Sediment
Engineering Control: No Action

Action ID: 006

Action Name: RECORD OF DECISION

Action Completion date: 09/29/97
Planned Complet. date: 12/31/97
Operable Unit: 06
Contaminated Media: Soil
Engineering Control: No Action

Action ID: 006

Action Name: RECORD OF DECISION

Action Completion date: 09/29/97
Planned Complet. date: 12/31/97
Operable Unit: 06
Contaminated Media: Surface V

Contaminated Media : Surface Water Engineering Control: No Action

Action ID: 007

Action Name: RECORD OF DECISION

Action Completion date: 06/06/01
Planned Complet. date: 09/30/01
Operable Unit: 07
Contaminated Media: Soil
Engineering Control: No Action

Action ID: 009

Action Name: RECORD OF DECISION

Action Completion date: 05/08/07
Planned Complet. date: 05/31/07
Operable Unit: 03
Contaminated Media: Soil
Engineering Control: Disposal

Action ID: 009

Action Name: RECORD OF DECISION

Action Completion date: 05/08/07
Planned Complet. date: 05/31/07
Operable Unit: 03
Contaminated Media: Soil
Engineering Control: Excavation

Action ID: 009

Action Name: RECORD OF DECISION

**EDR ID Number** 

1000417911

Direction Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Action Completion date: 05/08/07
Planned Complet. date: 05/31/07
Operable Unit: 03
Contaminated Media: Soil
Engineering Control: Monitoring

Action ID: 009

Action Name: RECORD OF DECISION

Action Completion date: 05/08/07
Planned Complet. date: 05/31/07
Operable Unit: 03
Contaminated Media: Soil
Engineering Control: No Action

Action ID: 009

Action Name: RECORD OF DECISION

Action Completion date: 05/08/07
Planned Complet. date: 05/31/07
Operable Unit: 03
Contaminated Media: Soil
Engineering Control: Sampling

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08
Planned Complet. date: 03/31/08
Operable Unit: 05
Contaminated Media: Groundwater
Engineering Control: Monitoring

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08
Planned Complet. date: 03/31/08
Operable Unit: 05
Contaminated Media: Groundwater

Engineering Control: No Action

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08
Planned Complet. date: 03/31/08
Operable Unit: 05
Contaminated Media: Landfill Gas

Engineering Control: Active Gas Collection System

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08
Planned Complet. date: 03/31/08
Operable Unit: 05
Contaminated Media: Landfill Gas
Engineering Control: Monitoring

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **USMC AIR STATION EL TORO (Continued)**

1000417911

**EDR ID Number** 

Planned Complet. date: 03/31/08 Operable Unit: 05 Contaminated Media: Landfill Gas

Engineering Control: Passive Gas Collection System

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08
Planned Complet. date: 03/31/08
Operable Unit: 05
Contaminated Media: Soil
Engineering Control: Cap

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08
Planned Complet. date: 03/31/08
Operable Unit: 05
Contaminated Media: Soil
Engineering Control: No Action

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08 Planned Complet. date: 03/31/08 Operable Unit: 05 Contaminated Media: Solid Waste

Engineering Control: Cap

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08
Planned Complet. date: 03/31/08
Operable Unit: 05
Contaminated Media: Solid Waste
Engineering Control: Consolidate

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08 Planned Complet. date: 03/31/08 Operable Unit: 05 Contaminated Media: Solid Waste

Engineering Control: Engineering Control, (N.O.S.)

Action ID: 010

Action Name: RECORD OF DECISION

Action Completion date: 03/06/08
Planned Complet. date: 03/31/08
Operable Unit: 05
Contaminated Media: Solid Waste

Engineering Control: Operations & Maintenance (O&M)

Action ID: 011

Action Name: RECORD OF DECISION

Action Completion date: 08/16/03 Planned Complet. date: 09/30/03

Direction Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Operable Unit: 09

Contaminated Media: Groundwater

Engineering Control: Liquid Phase Carbon Adsorption

Action ID: 011

Action Name: RECORD OF DECISION

Action Completion date: 08/16/03 Planned Complet. date: 09/30/03 Operable Unit: 09 Contaminated Media: Groundwater

Engineering Control: Monitoring

Action ID: 011

Action Name: RECORD OF DECISION

Action Completion date: 08/16/03 Planned Complet. date: 09/30/03 Operable Unit: 09

Contaminated Media : Groundwater
Engineering Control: Natural Attenuation

Action ID: 011

Action Name: RECORD OF DECISION

Action Completion date: 08/16/03
Planned Complet. date: 09/30/03
Operable Unit: 09
Contaminated Media: Soil
Engineering Control: Monitoring

Action ID: 011

Action Name: RECORD OF DECISION

Action Completion date: 08/16/03 Planned Complet. date: 09/30/03 Operable Unit: 09 Contaminated Media: Soil

Engineering Control: Surface Drainage Control

Action ID: 013

Action Name: RECORD OF DECISION

Action Completion date: 03/14/06 Planned Complet. date: 03/24/06 Operable Unit: 02 Contaminated Media: Soil

Engineering Control: No Further Action

US INST CONTROL:

EPA ID: CA6170023208 Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION

Action Name: RECORD OF DECISION

Address: EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

EPA Region: 09
County: ORANGE
Event Code: Not reported
Inst. Control: Covenant
Actual Date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Complet. Date: 06/27/02 Operable Unit: 01 Contaminated Media: Groundwater

EPA ID: CA6170023208 Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION

Action Name: RECORD OF DECISION

Address: EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

EPA Region: 09
County: ORANGE
Event Code: Not reported

Inst. Control: Institutional Controls, (N.O.S.)

Actual Date: Not reported Complet. Date: 07/12/00 Operable Unit: 04

Contaminated Media: Groundwater

EPA ID: CA6170023208

Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION
Action Name: RECORD OF DECISION

Address: EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

EPA Region: 09

County: ORANGE
Event Code: Not reported
Inst. Control: Land Use Restriction
Actual Date: Not reported

Complet. Date: 07/12/00
Operable Unit: 04
Contaminated Media: Soil

EPA ID: CA6170023208 Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION

Action Name: RECORD OF DECISION

Address: EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

EPA Region: 09
County: ORANGE
Event Code: Not reported

Inst. Control: Building, demolition, or excavation regulation

Actual Date: Not reported Complet. Date: 03/06/08 Operable Unit: 05 Contaminated Media : Soil

EPA ID: CA6170023208 Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION

Action Name: RECORD OF DECISION

Address: EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

EPA Region: 09 County: ORANGE

Direction Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

Event Code: Not reported Inst. Control: Deed Notices Actual Date: Not reported Complet. Date: 03/06/08 Operable Unit: 05 Contaminated Media: Soil

EPA ID: CA6170023208 Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION

Action Name: RECORD OF DECISION

Address: EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

EPA Region: 09
County: ORANGE
Event Code: Not reported
Inst. Control: Zoning regulation
Actual Date: Not reported
Complet. Date: 03/06/08
Operable Unit: 05
Contaminated Media: Soil

EPA ID: CA6170023208

Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION

Action Name: RECORD OF DECISION

Address: EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

EPA Region: 09
County: ORANGE
Event Code: Not reported

Inst. Control: Building, demolition, or excavation regulation

Actual Date: Not reported Complet. Date: 03/06/08
Operable Unit: 05
Contaminated Media: Solid Waste

EPA ID: CA6170023208 Site ID: 0902770

Name: EL TORO MARINE CORPS AIR STATION

Action Name: RECORD OF DECISION

Address: EL TORO MARINE CORPS AIR STA

EL TORO, CA 92709

EPA Region: 09 **ORANGE** County: Event Code: Not reported Inst. Control: Zoning regulation Actual Date: Not reported 03/06/08 Complet. Date: Operable Unit: 05 Contaminated Media: Solid Waste

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

PADS:

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

**EDR ID Number** 

EPAID: CA6170023208

Facility name: US GOVERNMENT MCAS EL TORO

Facility Address: MCAS EL TORO

SANTA ANA, CA 92709

Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No

Facility owner name: US GOVERNMENT
Contact title: Not reported
Contact name: REHOR MICHAEL
Contact tel: (714)726-2821
Contact extension: Not reported

Mailing address: MARINE CORPS AIR STA BLDG 368 (1JG)

SANTA ANA, CA 92709

Mailing country: US

Cert. title: Not reported
Cert. name: Not reported
Cert. date: 4/3/1990
Date received: 5/31/1990

FINDS:

Registry ID: 110001138135

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and

Direction Distance

Elevation Site Database(s) EPA ID Number

# USMC AIR STATION EL TORO (Continued)

1000417911

S107140933

N/A

HAZNET

**EDR ID Number** 

it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

3 DARED 83 LLC

East 26561 RANCHO PRKWY W 1/4-1/2 LAKE FOREST, CA 92630

0.389 mi. 2056 ft.

Relative: HAZNET: Higher Gepaid:

 Higher
 Gepaid:
 CAC002564395

 Contact:
 ROB EPSTEIN

 Actual:
 Telephone:
 8587930202

 760 ft.
 Facility Addr2:
 Not reported

 Mailing Name:
 Not reported

Mailing Name: Not reported
Mailing Address: 11512 EL CAMINO REAL STE 100

Mailing City,St,Zip: SAN DIEGO, CA 92130

Gen County: Orange
TSD EPA ID: CAT080013352

TSD County: Orange

Waste Category: Oil/water separation sludge

Disposal Method: Recycler Tons: 0.45 Facility County: Orange

Gepaid: CAC002564395
Contact: ROB EPSTEIN
Telephone: 8587930202
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 11512 EL CAMINO REAL STE 100

Mailing City, St, Zip: SAN DIEGO, CA 92130

Gen County: Orange
TSD EPA ID: NVT330010000

TSD County: 99

Waste Category: Unspecified aqueous solution

Disposal Method: H039
Tons: 1
Facility County: Orange

B4 26001 DIMENSION NPDES \$109434445 SSE 26001 DIMENSION N/A

SSE 26001 DIMENSION 26001 DIME

0.409 mi.

2158 ft. Site 1 of 2 in cluster B

Relative: NPDES:

Lower Npdes Number: Not reported Facility Status: Active

 Actual:
 Agency Id:
 18839

 711 ft.
 Region:
 9

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

26001 DIMENSION (Continued) S109434445

Regulatory Measure Id: 214480 99-08DWQ Order No:

Regulatory Measure Type: Storm water construction

Place Id: 202170 WDID: 9 30C308641 CONSTW Program Type: Adoption Date Of Regulatory Measure: Not reported Effective Date Of Regulatory Measure: 3/11/1998 Expiration Date Of Regulatory Measure: Not reported Termination Date Of Regulatory Measure: Not reported Discharge Name: Gale & Wentworth Discharge Address: 2030 Main St Ste 310

Discharge City: Irvine Discharge State: CA

Discharge Zip: 92614-7232

C5 **ORQUIS MEDICAL** HAZNET S110372069 **ESE** 14 ORCHARD RD N/A

1/4-1/2 LAKE FOREST, CA 92630

0.411 mi.

2173 ft. Site 1 of 2 in cluster C

HAZNET: Relative:

CAC002647456 Gepaid: Lower

Contact: LUKE HELM Actual: Telephone: 9257886700 748 ft. Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 14 ORCHARD RD Mailing City, St, Zip: LAKE FOREST, CA 92630

Gen County: Orange TSD EPA ID: CAD982444481 TSD County: San Bernardino

Waste Category: Off-specification, aged, or surplus organics

Disposal Method: H129 0.0066 Tons: Facility County: Orange

D6 AST A100336911 North 25901 TOWNE CENTRE DR N/A

1/4-1/2 LAKE FOREST, CA 92610

0.432 mi.

2281 ft. Site 1 of 7 in cluster D

AST: Relative:

Lower Owner: ASSOCIATED READY MIX

Total Gallons: 1.320

Actual: Certified Unified Program Agencies: Orange 692 ft.

Direction Distance

Elevation Site Database(s) EPA ID Number

D7 ASSOCIATED READY MIX UST U003913416
North 25901 TOWNE CENTRE DR N/A

North 25901 TOWNE CENTRE DR 1/4-1/2 LAKE FOREST, CA 92610

0.432 mi.

2281 ft. Site 2 of 7 in cluster D

Relative: ORANGE CO. UST:

Lower Facility ID: FA0025006

Actual: 692 ft.

D8 ASSOCIATED READY MIXED CONCRETE #56 HAZNET S106092870
North 25901 TOWNE CENTER DR EMI N/A

1/4-1/2 FOOTHILL RANCH, CA 92610

0.432 mi.

2281 ft. Site 3 of 7 in cluster D

Relative: Lower

e: HAZNET:

er Gepaid: CAL000240063

Contact: STEVE SWEARINGEN

Actual: 692 ft.

Telephone: 5627903650
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3250 E 70TH ST

Mailing City, St, Zip: LONG BEACH, CA 908050000

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles

Waste Category: Waste oil and mixed oil

Disposal Method: Recycler
Tons: 2.08
Facility County: Not reported

Gepaid: CAL000240063

Contact: MIKE COOK/FLEET MGR.

Telephone: 5627903650
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3250 E 70TH ST

Mailing City,St,Zip: LONG BEACH, CA 908050000

Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles

Waste Category: Oil/water separation sludge

Disposal Method: Recycler Tons: 1.04 Facility County: Orange

Gepaid: CAL000240063

Contact: MIKE COOK/FLEET MGR.

Telephone: 5627903650
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3250 E 70TH ST

Mailing City, St, Zip: LONG BEACH, CA 908050000

Gen County: Orange TSD EPA ID: TXD077603371

TSD County: 99

Waste Category: Off-specification, aged, or surplus organics

Disposal Method: H061
Tons: 0.515
Facility County: Orange

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

#### ASSOCIATED READY MIXED CONCRETE #56 (Continued)

S106092870

**EDR ID Number** 

Gepaid: CAL000240063

Contact: MIKE COOK/FLEET MGR.

Telephone: 5627903650
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3250 E 70TH ST

Mailing City, St, Zip: LONG BEACH, CA 908050000

Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles

Waste Category: Oil/water separation sludge

Disposal Method: H039
Tons: 1.7097
Facility County: Orange

Gepaid: CAL000240063

Contact: MIKE COOK/FLEET MGR.

Telephone: 5627903650
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3250 E 70TH ST

Mailing City, St, Zip: LONG BEACH, CA 908050000

Gen County: Orange

TSD EPA ID: TXD077603371

TSD County: 99

Waste Category: Off-specification, aged, or surplus organics

Disposal Method: H061
Tons: 0.12
Facility County: Orange

<u>Click this hyperlink</u> while viewing on your computer to access 4 additional CA\_HAZNET: record(s) in the EDR Site Report.

#### EMI:

 Year:
 2007

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 102295

 Air District Name:
 SC

 SIC Code:
 3273

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0

Particulate Matter Tons/Yr: 2.04533676 Part. Matter 10 Micrometers & Smllr Tons/Yr: 1.878335732

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

D9 **ASSOCIATED READY MIXED FOOTHIL NPDES** S109436614 North

97-03-DWQ

25901 TOWNE CENTRE DR N/A

1/4-1/2 ORANGE, CA 92610

0.432 mi.

Actual:

692 ft.

2281 ft. Site 4 of 7 in cluster D

Order No:

NPDES: Relative:

Npdes Number: Not reported Lower

Facility Status: Active Agency Id: 2286 Region: 214879 Regulatory Measure Id:

Regulatory Measure Type: Storm water industrial

Place Id: 206590 WDID: 9 301014516 Program Type: **INDSTW** Adoption Date Of Regulatory Measure: Not reported Effective Date Of Regulatory Measure: 8/20/1998 Expiration Date Of Regulatory Measure: Not reported Termination Date Of Regulatory Measure: Not reported

Associated Ready Mixed Concrete Discharge Name:

Discharge Address: 2730 E Washington Blvd

Discharge City: Los Angeles Discharge State: CA Discharge Zip: 90023

C10 STAY BRIDGE HOTEL **NPDES** S109459441 **East** NO 2 ORCHARD RD N/A

1/4-1/2 ORANGE, CA

0.433 mi.

Site 2 of 2 in cluster C 2284 ft.

NPDES: Relative:

Npdes Number: Not reported Lower Facility Status: **Terminated** Actual: 51769 Agency Id:

750 ft. Region: Regulatory Measure Id: 214797 99-08DWQ Order No:

> Regulatory Measure Type: Storm water construction

Place Id: 262047 WDID: 9 30C326511 Program Type: CONSTW Adoption Date Of Regulatory Measure: Not reported Effective Date Of Regulatory Measure: 3/19/2004 Expiration Date Of Regulatory Measure: Not reported Termination Date Of Regulatory Measure: 9/17/2007 Discharge Name: Will & Max Inc Discharge Address: 23702 Rockfield Blvd

Discharge City: Lake Forest Discharge State: CA Discharge Zip: 92630

**EDR ID Number** 

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

D11 CELESTICA CORP HAZNET S104567891
North 25902 TOWNE CENTER DR N/A

25902 TOWNE CENTER DR N/A FOOTHILL RANCH, CA 92610

1/4-1/2 0.435 mi.

2296 ft. Site 5 of 7 in cluster D

Relative: HAZNET:

**Lower** Gepaid: CAC001434012

Contact: CELESTICA CORP

Actual: Telephone: 0000000000 693 ft. Facility Addr2: Not reported

Mailing Name: Not reported

Mailing Address: 25902 TOWNE CENTER DR
Mailing City,St,Zip: FOOTHILL RANCH, CA 926100000

Gen County: Lakes

TSD EPA ID: AZD980892731

TSD County: 99

Waste Category: Waste oil and mixed oil

Disposal Method: Not reported Tons: 0.02 Facility County: Lakes

E12 UNION CHEMICAR AMERICA HAZNET S104583216 SSW 25781 ATLANTIC OCEAN DR N/A

SSW 25781 ATLANTIC OCEAN DR 1/4-1/2 LAKE FOREST, CA 92630

0.458 mi.

2418 ft. Site 1 of 3 in cluster E

Relative: HAZNET: Lower Gepaid: CAL000211673

Contact: MIKE CARDONE
Actual: Telephone: 9497707072
721 ft. Facility Addr2: Not reported

Mailing Name: Not reported
Mailing Address: 25781 ATLANTIC OCEAN DR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles

Waste Category: Unspecified solvent mixture Waste

Disposal Method: Recycler
Tons: 0.45
Facility County: Not reported

Gepaid: CAL000211673
Contact: MIKE CARDONE
Telephone: 9497707072
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25781 ATLANTIC OCEAN DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles

Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene,

etc.)

Disposal Method: Recycler
Tons: 0.22
Facility County: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

# **UNION CHEMICAR AMERICA (Continued)**

S104583216

**EDR ID Number** 

Gepaid: CAL000211673
Contact: MIKE CARDONE
Telephone: 9497707072
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25781 ATLANTIC OCEAN DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles

Waste Category: Biological waste other than sewage sludge

Disposal Method: Recycler
Tons: 0.22
Facility County: Not reported

Gepaid: CAL000211673 Contact: HARUKI KOBAYASHI

Telephone: 9497707072
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25781 ATLANTIC OCEAN DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD008252405
TSD County: Los Angeles

Waste Category: Unspecified solvent mixture Waste

Disposal Method: Recycler
Tons: 0.08
Facility County: Not reported

Gepaid: CAL000211673

Contact: UNION CHEMICAR CO OF JAPAN

Telephone: 0000000000 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 25781 ATLANTIC OCEAN DR
Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD008252405
TSD County: Los Angeles

Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Disposal Method: Recycler Tons: .2293 Facility County: Orange

<u>Click this hyperlink</u> while viewing on your computer to access 7 additional CA\_HAZNET: record(s) in the EDR Site Report.

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**B13 COX COMMUNICATIONS HAZNET** S103959012 SSE

26001 DIMENSION DR N/A LAKE FOREST, CA 92630

1/4-1/2 0.460 mi.

2431 ft. Site 2 of 2 in cluster B

HAZNET: Relative:

Gepaid: CAC001271096 Lower

Contact: COX COMMUNITCATIONS

Actual: Telephone: 000000000 700 ft. Facility Addr2: Not reported

> Mailing Name: Not reported Mailing Address: 18200 VON KARMAN AVE STE 100

Mailing City, St, Zip: IRVINE, CA 927120000

Gen County: Orange TSD EPA ID: CAD008302903 TSD County: Los Angeles Waste Category: Other organic solids Disposal Method: Transfer Station

Tons: .0025 Facility County: Orange

F14 FINDS 1011977110 N/A

South 26012 ATLANTIC OCEAN DR 1/4-1/2 LAKE FOREST, CA 92630

0.473 mi.

2499 ft. Site 1 of 4 in cluster F

FINDS: Relative:

Lower

Registry ID: 110038082240

Actual: 675 ft. Environmental Interest/Information System

> The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and

their precursors, as well as hazardous air pollutants (HAPs).

F15 **PSB INC HAZNET** S105091182 26012 ATLANTIC OCEAN DR South **EMI** N/A

1/4-1/2 LAKE FOREST, CA 92630

0.473 mi.

2499 ft. Site 2 of 4 in cluster F

HAZNET: Relative:

Gepaid: CAL000181852 Lower

Contact: JIM DELILLE DIR OF OPERATIONS Actual: Telephone: 9494650772

675 ft. Facility Addr2: Not reported Mailing Name: Not reported

> Mailing Address: 26012 ATLANTIC OCEAN DR Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange CAD008252405 TSD EPA ID: TSD County: Los Angeles

Waste Category: Aqueous solution with 10% or more total organic residues

Disposal Method: Recycler Tons: 0.22

Direction Distance

Elevation Site Database(s) EPA ID Number

PSB INC (Continued) S105091182

Facility County: Not reported

Gepaid: CAL000181852

Contact: JIM DELILLE DIR OF OPERATIONS

Telephone: 9494650772 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 26012 ATLANTIC OCEAN DR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles

Waste Category: Aqueous solution with 10% or more total organic residues

Disposal Method: Recycler
Tons: 0.22
Facility County: Not reported

Gepaid: CAL000181852

Contact: JIM DELILLE DIR OF OPERATIONS

Telephone: 9494650772
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 26012 ATLANTIC OCEAN DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles

Waste Category: Unspecified organic liquid mixture

Disposal Method: Recycler
Tons: 0.66
Facility County: Not reported

Gepaid: CAL000181852

Contact: JIM DELILLE DIR OF OPERATIONS

Telephone: 9494650772 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 26012 ATLANTIC OCEAN DR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD008252405
TSD County: Los Angeles

Waste Category: Aqueous solution with 10% or more total organic residues

Disposal Method: Recycler Tons: 0.14 Facility County: Orange

Gepaid: CAL000181852

Contact: JIM DELILLE DIR OF OPERATIONS

Telephone: 9494650772 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 26012 ATLANTIC OCEAN DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD008252405
TSD County: Los Angeles

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

PSB INC (Continued) S105091182

Waste Category: Unspecified organic liquid mixture

Disposal Method: H061
Tons: 0.714
Facility County: Orange

Click this hyperlink while viewing on your computer to access 14 additional CA\_HAZNET: record(s) in the EDR Site Report.

EMI:

 Year:
 2002

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 115471

 Air District Name:
 SC

 SIC Code:
 2752

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2003

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 115471

 Air District Name:
 SC

 SIC Code:
 2752

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2004

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 115471

 Air District Name:
 SC

 SIC Code:
 2752

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 3.357831 Reactive Organic Gases Tons/Yr: 3.36 Carbon Monoxide Emissions Tons/Yr: 0.00718 NOX - Oxides of Nitrogen Tons/Yr: 0.0267 SOX - Oxides of Sulphur Tons/Yr: 0.00017

**EDR ID Number** 

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

PSB INC (Continued) S105091182

Particulate Matter Tons/Yr: 0.00154
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

 Year:
 2005

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 115471

 Air District Name:
 SC

 SIC Code:
 2752

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 4.996 Reactive Organic Gases Tons/Yr: 4.418297816 Carbon Monoxide Emissions Tons/Yr: 4.2809 NOX - Oxides of Nitrogen Tons/Yr: 2.5202 SOX - Oxides of Sulphur Tons/Yr: .003205 Particulate Matter Tons/Yr: .04285 Part. Matter 10 Micrometers & Smllr Tons/Yr: .0427864

 Year:
 2006

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 115471

 Air District Name:
 SC

 SIC Code:
 2752

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 3.623182128565668565

Reactive Organic Gases Tons/Yr: 3.409
Carbon Monoxide Emissions Tons/Yr: 2.477
NOX - Oxides of Nitrogen Tons/Yr: .272
SOX - Oxides of Sulphur Tons/Yr: .003
Particulate Matter Tons/Yr: .042
Part. Matter 10 Micrometers & Smllr Tons/Yr: .041964

 Year:
 2007

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 115471

 Air District Name:
 SC

 SIC Code:
 7311

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 4.033126289813527047

Reactive Organic Gases Tons/Yr: 1.84
Carbon Monoxide Emissions Tons/Yr: .61
NOX - Oxides of Nitrogen Tons/Yr: 7.97
SOX - Oxides of Sulphur Tons/Yr: .001149
Particulate Matter Tons/Yr: .01
Part. Matter 10 Micrometers & Smllr Tons/Yr: .00994

 Year:
 2007

 County Code:
 30

 Air Basin:
 SC

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**PSB INC (Continued)** S105091182

Facility ID: 115471 Air District Name: SC SIC Code: 2752

SOUTH COAST AQMD Air District Name:

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 3.623182128565668565

Reactive Organic Gases Tons/Yr: 3.409 Carbon Monoxide Emissions Tons/Yr: 2.477 NOX - Oxides of Nitrogen Tons/Yr: .272 SOX - Oxides of Sulphur Tons/Yr: .003 Particulate Matter Tons/Yr: .042 Part. Matter 10 Micrometers & Smllr Tons/Yr: .041964

**NUCLEI INC.** F16 HAZNET S105092396 N/A

South 20411 JAMES BAY CIR 1/4-1/2 LAKE FOREST, CA 92630

0.477 mi.

2518 ft. Site 3 of 4 in cluster F

HAZNET: Relative:

Gepaid: CAL000209271 Lower

> Contact: ALBERTO HERNADEZ

Actual: Telephone: 9495839728 675 ft. Facility Addr2: Not reported

Mailing Name: Not reported

Mailing Address: 20411 JAMES BAY CIR Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange TSD EPA ID: CAD008302903 TSD County: Los Angeles

Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Disposal Method: Recycler Tons: .1251 Facility County: Orange

Gepaid: CAL000209271 ALBERTO HERNADEZ Contact:

9495839728 Telephone: Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 20411 JAMES BAY CIR Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange TSD EPA ID: CAD982444481 TSD County: San Bernardino Waste oil and mixed oil Waste Category:

Disposal Method: Recycler Tons: .0208 Facility County: Orange

CAL000209271 Gepaid:

Contact: ALBERTO HERNADEZ

Telephone: 9495839728 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 20411 JAMES BAY CIR Mailing City, St, Zip: LAKE FOREST, CA 926300000

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

**NUCLEI INC. (Continued)** 

Gen County: Orange TSD EPA ID: CAD982444481 TSD County: San Bernardino

Waste Category: Unspecified organic liquid mixture

Disposal Method: Recycler Tons: .0208 Facility County: Orange

CAL000209271 Gepaid: Contact: ALBERTO HERNADEZ

9495839728 Telephone: Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 20411 JAMES BAY CIR Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange TSD EPA ID: CAT000613976 Orange TSD County:

Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Disposal Method: **Transfer Station** 

Tons: .1800 Facility County: Orange

Gepaid: CAL000209271

Contact: ROBERT SCHRAMM-CHIEF MODELER

Telephone: 9495839728 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 20411 JAMES BAY CIR Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange TSD EPA ID: Not reported Los Angeles TSD County:

Waste Category: Aqueous solution with 10% or more total organic residues

Disposal Method: Recycler 0.06 Tons: Facility County: Not reported

> Click this hyperlink while viewing on your computer to access 1 additional CA\_HAZNET: record(s) in the EDR Site Report.

D17 **ROBERTSONS READY MIX** 25931 TOWNE CENTRE DR North 1/4-1/2 FOOTHILL RANCH, CA 92610 0.478 mi.

2524 ft. Site 6 of 7 in cluster D

CA WDS: Relative:

Facility ID: San Diego 30I011155

Lower Facility Type:

Actual: 692 ft.

Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or

processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water

Facility Status: Active - Any facility with a continuous or seasonal discharge that is

under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 U003739490

N/A

WDS **NPDES** 

**UST** 

S105092396

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **ROBERTSONS READY MIX (Continued)**

U003739490

**EDR ID Number** 

are assigned by the Regional Board

Subregion:

Facility Telephone: 9096852200 Facility Contact: PHILLIPS CRAIG

Agency Name: ROBERTSONS READY MIX

Agency Address: PO Box 1659
Agency City, St, Zip: Corona 928781659
Agency Contact: PILLIPS CRAIG
Agency Telephone: 9196852200
Agency Type: Private
SIC Code: 0

SIC Code 2: Not reported Primary Waste: Not reported Primary Waste Type: Not reported Secondary Waste: Not reported Secondary Waste Type: Not reported

Design Flow: 0
Baseline Flow: 0

Reclamation: Not reported POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

dairy waste ponds.

NPDES:

Npdes Number:
Racility Status:
Active
Agency Id:
Region:
Regulatory Measure Id:
Order No:
Not reported
38942
28942
214868
99
703-DWQ

Regulatory Measure Type: Storm water industrial Place Id: 254489

WDID: 9 30I011155
Program Type: INDSTW
Adoption Date Of Regulatory Measure: 9/15/1994
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported

Discharge Name: Robertsons Ready Mix

Discharge Address: Po Box 1659
Discharge City: Corona
Discharge State: CA
Discharge Zip: 92878-1659

UST:

Global ID: 4524

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ROBERTSONS READY MIX (Continued)** 

Latitude: 33.68016 Longitude: -117.67786

D18 **ROBERTSONS READY MIX INC** UST U004014383 N/A

North 25931 TOWNE CENTRE DR 1/4-1/2 LAKE FOREST, CA 92610

0.478 mi.

2524 ft. Site 7 of 7 in cluster D

ORANGE CO. UST: Relative: Facility ID:

FA0024369 Lower

Actual:

692 ft.

HAZNET \$110374574 F19 **ATS MEDICAL** South 20412 JAMES BAY CIR N/A

1/4-1/2 LAKE FOREST, CA 92630

0.478 mi.

2524 ft. Site 4 of 4 in cluster F

HAZNET: Relative:

CAL000335125 Gepaid: Lower Contact: **IVAN TORRES** 

Actual: Telephone: 9493809333 674 ft. Facility Addr2: Not reported

Mailing Name: Not reported

Mailing Address: 20412 JAMES BAY CIR Mailing City, St, Zip: LAKE FOREST, CA 926308833

Gen County: Orange TSD EPA ID: ARD981057870

TSD County:

Waste Category: Unspecified solvent mixture Waste

Disposal Method: H061 0.252 Tons: Facility County: Orange

**HAZNET S108204408** 20 **DARED 83 LLC** 

26541 RANCHO PKWY SOUTH East 1/4-1/2 LAKE FOREST, CA 92630

0.483 mi. 2551 ft.

HAZNET: Relative:

CAL000268934 Gepaid: Lower

Contact: ROB EPSTEIN/VP

Actual: Telephone: 8587930202 744 ft. Facility Addr2: Not reported Mailing Name: Not reported

> Mailing Address: 11512 EL CAMINO REAL STE 100

Mailing City, St, Zip: SAN DIEGO, CA 92130

Gen County: Orange TSD EPA ID: CAT080013352 TSD County: Los Angeles

Waste Category: Oil/water separation sludge

Disposal Method: Recycler Tons: 3.27 Facility County: Not reported N/A

U003739490

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**DARED 83 LLC (Continued)** S108204408

Gepaid: CAL000268934 Contact: ROB EPSTEIN/VP Telephone: 8587930202 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 11512 EL CAMINO REAL STE 100

Mailing City, St, Zip: SAN DIEGO, CA 92130

Gen County: Orange TSD EPA ID: TXD077603371

TSD County: 99

Waste oil and mixed oil Waste Category:

H061 Disposal Method: Tons: Orange Facility County:

21 SOUTHERN CALIFORNIA DISCOUNT TIRE CO. INC **HAULERS** S110504430 **East** 

**2 RANCHO CIRCLE** N/A

LAKE FOREST, CA 92630 1/4-1/2

0.486 mi. 2567 ft.

HAULERS: Relative:

Facility ID: 1626673 Lower

Facility Phone: (949) 639-0350

Actual:

739 ft.

**ENVIRONMENTAL RESOLUTIONS INC UTILITY VAULTS** NPDES S109442911 **E22** 

SSW 20372 NORTH SEA CIRCLE N/A 1/4-1/2 **ORANGE, CA 92630** 

0.492 mi.

2597 ft. Site 2 of 3 in cluster E

NPDES: Relative: Npdes Number: Not reported Lower

Facility Status: Historical Actual: Agency Id: 14869 717 ft. Region: 9

219006 Regulatory Measure Id: Order No: Not reported Regulatory Measure Type: Enrollee Place Id: 222886 WDID: 9000U000007 **NPDES** Program Type:

Adoption Date Of Regulatory Measure: 7/19/2001 Effective Date Of Regulatory Measure: 7/19/2001 Expiration Date Of Regulatory Measure: Not reported 12/31/2006 Termination Date Of Regulatory Measure:

Discharge Name: Environmental Resolutions Inc Discharge Address: 20372 North Sea Circle

Discharge City: Lake Forest Discharge State: CA Discharge Zip: 92630

Direction Distance

Distance Elevation Site EDR ID Number Database(s) EPA ID Number

E23 ENVIRONMENTAL RESOLUTIONS INC HAZNET S106086026 SSW 20372 NORTH SEA CIRCLE N/A

SSW 20372 NORTH SEA CIRCLE 1/4-1/2 LAKE FOREST, CA 92630

0.492 mi.

2597 ft. Site 3 of 3 in cluster E

Relative: HAZNET:

Lower Gepaid: CAC002486335

Contact: CHARLIE WEBER/OPRS MGR/X8943

Actual: Telephone: 9494578950
717 ft. Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 20372 NORTH SEA CIRCLE
Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Sacramento

Waste Category: Unspecified solvent mixture Waste

Disposal Method: Disposal, Other

Tons: 0.22 Facility County: Not reported

Gepaid: CAC002486335

Contact: CHARLIE WEBER/OPRS MGR/X8943

Telephone: 9494578950 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 20372 NORTH SEA CIRCLE
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Latex waste
Disposal Method: Recycler
Tons: 0.04

Facility County: Not reported

24 VELCO TOOL AND DIE HAZNET S108757353
South 20431 BARENTS SEA CIR N/A

1/4-1/2 0.495 mi. 2612 ft.

Relative: HAZNET: Lower Gepaid:

 Lower
 Gepaid:
 CAL000313335

 Contact:
 ROBERT BRETT

 Actual:
 Telephone:
 9498556638

 691 ft.
 Facility Addr2:
 Not reported

LAKE FOREST, CA 92630

Mailing Name: Not reported
Mailing Address: 20431 BARENTS SEA CIR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: NVT330010000

TSD County: 99

Waste Category: Other inorganic solid waste

Disposal Method: H132
Tons: 1.1
Facility County: Orange

Gepaid: CAL000313335

Direction Distance

Elevation Site Database(s) EPA ID Number

# **VELCO TOOL AND DIE (Continued)**

Contact: JOE VELEZ
Telephone: 9498556638
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 20431 BARENTS SEA CIR
Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD981696420
TSD County: Los Angeles

Waste Category: Unspecified oil-containing waste

Disposal Method: H14
Tons: 2.75
Facility County: Orange

Gepaid: CAL000313335
Contact: ROBERT BRETT
Telephone: 9498556638
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 20431 BARENTS SEA CIR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD981696420
TSD County: Los Angeles

Waste Category: Waste oil and mixed oil

Disposal Method: H141
Tons: 0.836
Facility County: Orange

Gepaid: CAL000313335
Contact: ROBERT BRETT
Telephone: 9498556638
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 20431 BARENTS SEA CIR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: NVT330010000

TSD County: 99

Waste Category: Other inorganic solid waste

Disposal Method: H132
Tons: 0.95
Facility County: Orange

Gepaid: CAL000313335
Contact: ROBERT BRETT
Telephone: 9498556638
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 20431 BARENTS SEA CIR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD981696420
TSD County: Los Angeles

Waste Category: Unspecified oil-containing waste

Disposal Method: H141 Tons: 1.8348 S108757353

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

**VELCO TOOL AND DIE (Continued)** 

unty: Orange

Facility County: Orange

<u>Click this hyperlink</u> while viewing on your computer to access 3 additional CA\_HAZNET: record(s) in the EDR Site Report.

G25 ROBERTSON'S READY MIX EMI \$109282398

North 25931 TOWN CTR DR N/A

3273

1/4-1/2 FOOTHILL RANCH, CA 92610

SIC Code:

0.496 mi.

2620 ft. Site 1 of 5 in cluster G

 Relative:
 EMI:

 Lower
 Year:
 2006

 County Code:
 30

 Actual:
 Air Basin:
 SC

 690 ft.
 Facility ID:
 101924

 Air District Name:
 SC

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: .0021097046413502109

Reactive Organic Gases Tons/Yr: .002
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: .002
Particulate Matter Tons/Yr: .835
Part. Matter 10 Micrometers & Smllr Tons/Yr: .66432

 Year:
 2007

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 101924

 Air District Name:
 SC

 SIC Code:
 3273

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: .0021097046413502109

Reactive Organic Gases Tons/Yr: .002
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: .002
Particulate Matter Tons/Yr: .835
Part. Matter 10 Micrometers & Smllr Tons/Yr: .66432

G26 L & K CORPORATE YARD NPDES S109447680

North 25931 TOWNE CENTER DR 1/4-1/2 ORANGE, CA 92630

0.496 mi.

2620 ft. Site 2 of 5 in cluster G

Relative: NPDES:

Lower Npdes Number: Not reported

Facility Status: Active
Actual: Agency Id: 25009
690 ft.

N/A

**EDR ID Number** 

S108757353

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### L & K CORPORATE YARD (Continued)

S109447680

S101589570

N/A

CA FID UST

**SWEEPS UST** 

Region: 9 214749 Regulatory Measure Id: 99-08DWQ Order No:

Regulatory Measure Type: Storm water construction

Place Id: 235629 9 30C322152 WDID: CONSTW Program Type: Adoption Date Of Regulatory Measure: Not reported Effective Date Of Regulatory Measure: 6/18/2003 Expiration Date Of Regulatory Measure: Not reported Termination Date Of Regulatory Measure: Not reported L & K Investments Discharge Name:

Discharge Address: 25422 Trabuco Rd Ste 105 Pmb 2

Discharge City: Lake Forest Discharge State:

Discharge Zip: 92630-2790

H27 TRABUCO CANYON WATER DISTRICT

SSE 20904 DIMENSION DR EL TORO, CA 92630 1/4-1/2

0.498 mi.

2630 ft. Site 1 of 2 in cluster H

CA FID UST: Relative:

Facility ID: 30017607 Lower Regulated By: UTNKA

Actual: Regulated ID: Not reported 717 ft. Cortese Code: Not reported Not reported SIC Code: Facility Phone: 7148372195

Mail To: Not reported

30575 TRABUCO CYN RD 200 P Mailing Address:

Mailing Address 2: Not reported EL TORO 92630 Mailing City, St, Zip: Not reported Contact: Contact Phone: Not reported **DUNs Number:** Not reported Not reported NPDES Number: Not reported EPA ID: Not reported Comments: Status: Active

SWEEPS UST:

Status: Α Comp Number: 8466 Number:

44-016687 Board Of Equalization: Ref Date: 09-30-92 Act Date: 02-26-92 Created Date: 02-29-88 Tank Status:

Owner Tank Id: Not reported

Swrcb Tank Id: 30-000-008466-000001

Not reported Actv Date: Capacity: 550 M.V. FUEL Tank Use:

Р Stg:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

TRABUCO CANYON WATER DISTRICT (Continued)

**LEADED** 

Number Of Tanks: 1

H28 TRABUCO CANYON WATER DISTRICT UST U003784547

20904 DIMENSION N/A

SSE

1/4-1/2 LAKE FOREST, CA 92630

Content:

0.498 mi.

2630 ft. Site 2 of 2 in cluster H

UST: Relative:

Global ID: 14415 Lower Latitude: 33.63787

Actual: Longitude: -117.68592 717 ft.

129 MICROTEK ELECTRONICS INC **HAZNET S108213878** SSW 25691 ATLANTIC OCEAN DR STE B3

N/A

S101589570

1/4-1/2 LAKE FOREST, CA 92630

0.499 mi.

2636 ft. Site 1 of 2 in cluster I

HAZNET: Relative:

Gepaid: CAL000293722 Lower Contact: **REGGIE YOUNG** Actual: Telephone: 9492974930 736 ft.

Facility Addr2: Not reported Mailing Name: Not reported

> Mailing Address: 25691 ATLANTIC OCEAN DR STE B3 Mailing City,St,Zip: LAKE FOREST, CA 926308838

Gen County: Orange TSD EPA ID: CAD003963592 TSD County: Santa Clara

Waste Category: Other inorganic solid waste

Disposal Method: Recycler 0.04 Tons: Facility County: Not reported

130 **ADVANCED MICRO ELECTRONICS INC** HAZNET S108196852 SSW 25691 ATLANTIC OCEAN DR STE B16 N/A

1/4-1/2 LAKE FOREST, CA 92630

0.499 mi.

2636 ft. Site 2 of 2 in cluster I

HAZNET: Relative:

CAL000276043 Gepaid: Lower Contact: MICHAEL CROWE

Actual: Telephone: 9498304966

736 ft. Facility Addr2: Not reported Mailing Name: Not reported

25691 ATLANTIC OCEAN DR STE B16 Mailing Address:

Mailing City, St, Zip: LAKE FOREST, CA 92630

Gen County: Orange TSD EPA ID: NVT330010000

TSD County:

Waste Category: Other inorganic solid waste

Disposal Method: Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ADVANCED MICRO ELECTRONICS INC (Continued)** 

S108196852

Tons: 0.17

Facility County: Not reported

CAL000276043 Gepaid: Contact: MICHAEL CROWE Telephone: 9498304966 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 644 EAST YOUNG ST Mailing City, St, Zip: SANTA ANA, CA 927050000

Gen County: Orange NVT330010000 TSD EPA ID:

TSD County:

Waste Category: Unspecified aqueous solution

Disposal Method: H132 Tons: 0.04 Orange Facility County:

Gepaid: CAL000276043 MICHAEL CROWE Contact: Telephone: 9498304966 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 644 EAST YOUNG ST Mailing City, St, Zip: SANTA ANA, CA 927050000

Gen County: Orange TSD EPA ID: AZT050010685

TSD County:

Waste Category: Other inorganic solid waste

H010 Disposal Method: Tons: 0.1 Facility County: Orange

G31 HWT S109466539

North 25971 TOWNE CENTRE DRIVE N/A

1/2-1 FOOTHILL RANCH, CA 92610

0.506 mi.

2671 ft. Site 3 of 5 in cluster G

HWT: Relative:

Reg Num: 2997 Lower

Expiration Date: 9/30/2011

Actual: 694 ft.

5019 Reg Num: Expiration Date: 6/30/2011

G32 RCRA-NonGen BELSHIRE TRANSPORTATION SERVICES INC 1010314245 North 25971 TOWNE CENTRE DR PADS CAR000183913

1/2-1 FOOTHILL RANCH, CA 92610

0.506 mi.

2671 ft. Site 4 of 5 in cluster G

RCRA-NonGen: Relative: Date form received by agency: 04/30/2007 Lower

BELSHIRE TRANSPORTATION SERVICES INC Facility name:

Actual: Facility address: 25971 TOWNE CENTRE DR

694 ft.

Direction Distance

Elevation Site Database(s) EPA ID Number

# BELSHIRE TRANSPORTATION SERVICES INC (Continued)

1010314245

**EDR ID Number** 

**S ANNEX** 

FOOTHILL RANCH, CA 92610

EPA ID: CAR000183913
Mailing address: 25422 TRABUCO RD

NO 105 286

LAKE FOREST, CA 92630

Contact: KAREN M CASS

Contact address: 25422 TRABUCO RD NO 105 286

LAKE FOREST, CA 92630

Contact country: US

Contact telephone: 949-460-5200

Contact email: KAREN@BELSHIRE.COM

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: LK INVESTMENTS LLC

Owner/operator address: 25422 TRABUCO RD NO 105 424

LAKE FOREST, CA 92630

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/22/2004 Owner/Op end date: Not reported

Owner/operator name: BELSHIRE TRANSPORTATION SERVICES INC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 04/01/2007 Owner/Op end date: Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: Yes Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Commercial status unknown

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **BELSHIRE TRANSPORTATION SERVICES INC (Continued)**

1010314245

**EDR ID Number** 

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

PADS:

EPAID: CAR000183913

Facility name: BELSHIRE TRANSPORTATION SERVICES INC

Facility Address: 25971 TOWNE CENTRE DR

FOOTHILL RANCH, CA 92610

Facility country: US
Generator: No
Storer: No
Transporter: Yes
Disposer: No
Research facility: No
Smelter: No

Facility owner name: KAREN CASS LARRY MOOTHART

Contact title: CONTACT

Contact name: LARRY MOOTHART
Contact tel: 949-460-5200
Contact extension: Not reported

Mailing address: 25971 TOWNE CENTRE DR

FOOTHILL RANCH, CA 92610

Mailing country: US

Cert. title: PRESIDENT
Cert. name: KAREN CASS
Cert. date: 6/16/2009
Date received: 9/2/2009

BELSHIRE ENV SVCS INC DBA BESI

North 25971 TOWNE CTR DR 1/2-1 FOOTHILL RANCH, CA 92610

0.506 mi.

G33

2671 ft. Site 5 of 5 in cluster G

Relative: RCRA-CESQG:

**Lower** Date form received by agency: 08/05/2005

Facility name: BELSHIRE ENV SVCS INC DBA BESI Facility address: 25971 TOWNE CTR DR

Actual: 694 ft.

FOOTHILL RANCH, CA 92610

EPA ID: CAR000165175

Contact: LARRY J MOOTHART
Contact address: 25971 TOWNE CTR DR
FOOTHILL RANCH, CA 92610

Contact country: US

Contact telephone: 949-460-5200

Contact email: LARRY@BCLSHIRE.COM

1008402423

CAR000165175

RCRA-CESQG

HAZNET

Direction Distance Elevation

Site Database(s) EPA ID Number

#### **BELSHIRE ENV SVCS INC DBA BESI (Continued)**

1008402423

**EDR ID Number** 

EPA Region: 09

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: LK INVESTMENTS LLC

Owner/operator address: 25422 TRABUCO RD NO 105-424

LAKE FOREST, CA 92630

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/22/2002
Owner/Op end date: Not reported

Owner/operator name: BELSHIRE ENV SVCS INC

Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 01/22/2004 Owner/Op end date: Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: Nο Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: Yes Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No No Used oil processor: User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Commercial status unknown

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

#### **BELSHIRE ENV SVCS INC DBA BESI (Continued)**

1008402423

**EDR ID Number** 

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

> CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D018 BENZENE Waste name:

Violation Status: No violations found

HAZNET:

Gepaid: CAR000165175 Contact: LARRY J MOOTHART

Telephone: 9494605200 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 25971 TOWNE CENTRE DR Mailing City, St, Zip: FOOTHILL RANCH, CA 92610

Gen County: Orange TSD EPA ID: CAD008302903 Los Angeles TSD County: Other organic solids Waste Category: Not reported

Disposal Method: Tons: 0.07

Facility County: Not reported

Gepaid: CAR000165175 Contact: LARRY J MOOTHART

Telephone: 9494605200 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 25971 TOWNE CENTRE DR Mailing City, St, Zip: FOOTHILL RANCH, CA 92610

Gen County: Orange

TSD EPA ID: CAD028409019 Los Angeles TSD County:

Waste Category: Other inorganic solid waste

Disposal Method: H141 Tons: 0.02 Facility County: Orange

Gepaid: CAR000165175 Contact: LARRY J MOOTHART

Direction Distance

Elevation Site Database(s) EPA ID Number

# BELSHIRE ENV SVCS INC DBA BESI (Continued)

1008402423

**EDR ID Number** 

Telephone: 9494605200 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 25971 TOWNE CENTRE DR
Mailing City,St,Zip: FOOTHILL RANCH, CA 92610

Gen County: Orange TSD EPA ID: AZC950823111

TSD County: 99

Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 33.71

Tons: 33.71 Facility County: Orange

Gepaid: CAR000165175
Contact: LARRY J MOOTHART

Telephone: 9494605200
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25971 TOWNE CENTRE DR Mailing City,St,Zip: FOOTHILL RANCH, CA 92610

Gen County: Orange
TSD EPA ID: CAD008302903
TSD County: Los Angeles

Waste Category: Other organic solids

Disposal Method: H141
Tons: 0.21
Facility County: Orange

Gepaid: CAR000165175
Contact: LARRY J MOOTHART

Telephone: 9494605200 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 25971 TOWNE CENTRE DR
Mailing City,St,Zip: FOOTHILL RANCH, CA 926100000

Gen County: Orange
TSD EPA ID: CAD028409019
TSD County: Los Angeles

Waste Category: Unspecified aqueous solution

Disposal Method: H141
Tons: 0.838
Facility County: Orange

<u>Click this hyperlink</u> while viewing on your computer to access 1 additional CA\_HAZNET: record(s) in the EDR Site Report.

 J34
 DYNACAST INC
 RCRA-SQG
 1001217495

 South
 25952 COMMERCENTRE DR
 FINDS
 CAR000035717

1/2-1 LAKE FOREST, CA 92630 0.606 mi.

3198 ft. Site 1 of 4 in cluster J

Relative:

Actual:

Lower RCRA-SQG:

Date form received by agency: 01/26/1998
Facility name: DYNACAST INC

681 ft. Facility address: 25952 COMMERCENTRE DR

LAKE FOREST, CA 92630

**WDS** 

**EMI** 

NPDES HAZNET

Direction Distance

Elevation Site Database(s) EPA ID Number

### **DYNACAST INC (Continued)**

1001217495

**EDR ID Number** 

EPA ID: CAR000035717 Contact: RICK VANKIRK

Contact address: 25952 COMMERCENTRE DR LAKE FOREST, CA 92630

Contact country: US

Contact telephone: (714) 707-1211 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SECURITY CAPITAL INVESTMENT

Owner/operator address: 3621 S HARBOR BLVD

SANTA ANA, CA 92704

Owner/operator country: Not reported Owner/operator telephone: (714) 424-1800

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No

Off-site waste receiver: Verified to be non-commercial

No

Historical Generators:

Used oil transporter:

Date form received by agency: 01/26/1998
Facility name: DYNACAST INC

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

Direction Distance Flevation

Elevation Site Database(s) EPA ID Number

#### **DYNACAST INC (Continued)**

1001217495

**EDR ID Number** 

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110002920670

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CA WDS:

Facility ID: San Diego 30I014348

Facility Type: Industrial - Facility that treats and/or disposes of liquid or

semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water

pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is

under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7

are assigned by the Regional Board

Subregion: 9

Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: DYNACAST INC
Agency Address: Not reported

Agency City, St, Zip: (

Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 0

SIC Code 2: Not reported Primary Waste: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

**DYNACAST INC (Continued)** 

1001217495

**EDR ID Number** 

Primary Waste Type: Not reported Secondary Waste: Not reported Secondary Waste Type: Not reported

Design Flow: 0
Baseline Flow: 0

Reclamation: Not reported POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as

220954

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

dairy waste ponds.

NPDES:

Place Id:

Npdes Number:
Racility Status:
Active
Agency Id:
Agency Id:
Region:
Regulatory Measure Id:
Order No:
Not reported
13394
214876
97-03-DWQ

Regulatory Measure Type: Storm water industrial

WDID: 9 30I014348
Program Type: INDSTW
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 7/6/1998
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Dynacast Inc

Discharge Address: 25952 Commercentre Dr

Discharge City:

Discharge State:

CA

Discharge Zip:

92630

HAZNET:

Gepaid: CAC001353304
Contact: RICH HAUPT
Telephone: 7147071211
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25952 COMMERCENTRE DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAT000613893
TSD County: Los Angeles

Waste Category: Aqueous solution with less than 10% total organic residues

Disposal Method: Not reported

Tons: 0.97

Facility County: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## **DYNACAST INC (Continued)**

1001217495

**EDR ID Number** 

Gepaid: CAR000035717
Contact: KEVIN HARTNETT
Telephone: 9497071211
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25952 COMMERCENTRE DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD982444481
TSD County: San Bernardino

Waste Category: Other inorganic solid waste

Disposal Method: H129
Tons: 11.13
Facility County: Orange

Gepaid: CAR000035717
Contact: KEVIN HARTNETT
Telephone: 9497071211
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25952 COMMERCENTRE DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD982444481
TSD County: San Bernardino

Waste Category: Unspecified oil-containing waste

Disposal Method: H141
Tons: 81.85
Facility County: Orange

Gepaid: CAR000035717
Contact: KEVIN HARTNETT
Telephone: 9497071211
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25952 COMMERCENTRE DR
Mailing City, St, Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles

Waste Category: Waste oil and mixed oil

Disposal Method: H039
Tons: 1.102
Facility County: Orange

Gepaid: CAR000035717
Contact: KEVIN HARTNETT
Telephone: 9497071211
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25952 COMMERCENTRE DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: Orange
TSD EPA ID: CAD982444481
TSD County: San Bernardino

Waste Category: Other inorganic solid waste

Disposal Method: H141

Direction Distance

Elevation Site Database(s) EPA ID Number

### **DYNACAST INC (Continued)**

1001217495

**EDR ID Number** 

Tons: 12.8 Facility County: Orange

Click this hyperlink while viewing on your computer to access 43 additional CA\_HAZNET: record(s) in the EDR Site Report.

EMI:

 Year:
 2001

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 113251

 Air District Name:
 SC

 SIC Code:
 9999

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Y

Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 13
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers & Smllr Tons/Yr: 2

 Year:
 2002

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 113251

 Air District Name:
 SC

 SIC Code:
 3364

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 18
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers & Smllr Tons/Yr: 4

 Year:
 2003

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 113251

 Air District Name:
 SC

 SIC Code:
 3364

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 18
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers & Smllr Tons/Yr: 4

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

### **DYNACAST INC (Continued)**

1001217495

**EDR ID Number** 

 Year:
 2004

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 113251

 Air District Name:
 SC

 SIC Code:
 3364

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Y

Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: 17.9039 Reactive Organic Gases Tons/Yr: 4.42 Carbon Monoxide Emissions Tons/Yr: 0.7245 NOX - Oxides of Nitrogen Tons/Yr: 2.1599 SOX - Oxides of Sulphur Tons/Yr: 0.01582 Particulate Matter Tons/Yr: 4.30502 Part. Matter 10 Micrometers & Smllr Tons/Yr: 3.58

 Year:
 2005

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 113251

 Air District Name:
 SC

 SIC Code:
 3364

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported Total Organic Hydrocarbon Gases Tons/Yr: .6083 Reactive Organic Gases Tons/Yr: .30448386 Carbon Monoxide Emissions Tons/Yr: .872 NOX - Oxides of Nitrogen Tons/Yr: 1.9885 SOX - Oxides of Sulphur Tons/Yr: .01463 Particulate Matter Tons/Yr: 3.68764 Part. Matter 10 Micrometers & Smllr Tons/Yr: 3.0934852

 Year:
 2006

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 113251

 Air District Name:
 SC

 SIC Code:
 3364

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 3.892106844413818823

Reactive Organic Gases Tons/Yr: 2.563
Carbon Monoxide Emissions Tons/Yr: .751
NOX - Oxides of Nitrogen Tons/Yr: 2.118
SOX - Oxides of Sulphur Tons/Yr: .013
Particulate Matter Tons/Yr: 3.793
Part. Matter 10 Micrometers & Smllr Tons/Yr: 3.175712

 Year:
 2007

 County Code:
 30

 Air Basin:
 SC

 Facility ID:
 113251

 Air District Name:
 SC

 SIC Code:
 3364

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**DYNACAST INC (Continued)** 1001217495

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 3.892106844413818823

Reactive Organic Gases Tons/Yr: 2.563 Carbon Monoxide Emissions Tons/Yr: .751 NOX - Oxides of Nitrogen Tons/Yr: 2.118 SOX - Oxides of Sulphur Tons/Yr: .013 Particulate Matter Tons/Yr: 3.793 Part. Matter 10 Micrometers & Smllr Tons/Yr: 3.175712

2007 Year: County Code: 30 Air Basin: SC Facility ID: 113251 Air District Name: SC SIC Code: 3369

Air District Name: SOUTH COAST AQMD

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

2.304093874966553530 Total Organic Hydrocarbon Gases Tons/Yr:

Reactive Organic Gases Tons/Yr: 1.59 Carbon Monoxide Emissions Tons/Yr: .19 NOX - Oxides of Nitrogen Tons/Yr: .53 .003333 SOX - Oxides of Sulphur Tons/Yr: Particulate Matter Tons/Yr: 3.58 Part. Matter 10 Micrometers & Smllr Tons/Yr: 2.9765

AST J35 A100336914 25952 COMMERCENTRE DR N/A

South 1/2-1 LAKE FOREST, CA 92630

0.606 mi.

Site 2 of 4 in cluster J 3198 ft.

AST: Relative:

Owner: DYNACAST INC Lower

**Total Gallons:** 1,320

Actual: Certified Unified Program Agencies: Orange 681 ft.

RCRA-SQG

J36 **OAKLEY PRINT LAB** 25954 COMMERCENTRE DR South 1/2-1 LAKE FOREST, CA 92630

0.606 mi.

3198 ft. Site 3 of 4 in cluster J

RCRA-SQG: Relative:

Date form received by agency: 07/23/2009 Lower

Facility name: OAKLEY PRINT LAB

Actual: Facility address: 25954 COMMERCENTRE DR 683 ft. LAKE FOREST, CA 92630

> EPA ID: CAR000201889

Mailing address: ONE ICON

FOOTHILL RANCH, CA 92610

Contact: JAMES INCE SCOTT

Contact address: ONE ICON

FOOTHILL RANCH, CA 92610

TC2999681.2s Page 97

1012176283

CAR000201889

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **OAKLEY PRINT LAB (Continued)**

1012176283

Contact country: US

949-900-7085 Contact telephone:

JINCE-SCOTT@OAKLEY.COM Contact email:

EPA Region:

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

**PRO LOGIS** Owner/operator name:

Owner/operator address: 4041 MACARTHUR BLVD STE 400

NEWPORT BEACH, CA 92660

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner 01/01/1996 Owner/Op start date: Owner/Op end date: Not reported

Owner/operator name: **OAKLEY INC** Owner/operator address: Not reported Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported

Legal status: Private Owner/Operator Type: Operator 01/14/2009 Owner/Op start date: Owner/Op end date: Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Other Waste type: Accumulated waste on-site: No Generated waste on-site: No

Waste type: **Batteries** 

MAP FINDINGS Map ID Direction

Distance

Elevation **EPA ID Number** Site Database(s)

**OAKLEY PRINT LAB (Continued)** 

1012176283

**EDR ID Number** 

Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Lamps Accumulated waste on-site:

Generated waste on-site: Not reported

Pesticides Waste type: Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Thermostats

Accumulated waste on-site:

Generated waste on-site: Not reported

D001

Hazardous Waste Summary:

Waste code:

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF Waste name:

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET. WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS Waste name:

> CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

D003 Waste code:

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D007 Waste name: **CHROMIUM** 

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS: AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Violation Status: No violations found

Direction Distance

Elevation Site Database(s) EPA ID Number

 37
 THE YOUNG ENGINEERS INC
 RCRA-SQG
 1001126700

 South
 25841 COMMERCENTRE DR
 FINDS
 CAR000017830

 1/2-1
 LAKE FOREST, CA 92630
 HAZNET

1/2-1 0.609 mi. 3213 ft.

Actual:

680 ft.

Relative: RCRA-SQG:

**Lower** Date form received by agency: 02/07/1997

Facility name: THE YOUNG ENGINEERS INC Facility address: 25841 COMMERCENTRE DR LAKE FOREST, CA 92630

EPA ID: CAR000017830

Mailing address: P O BOX 278

LAKE FOREST, CA 926300278

Contact: PAT WELLS Contact address: P O BOX 278

LAKE FOREST, CA 926300278

Contact country: US

Contact telephone: (714) 581-9411 Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: THE YOUNG ENGINEERS INC

Owner/operator address: P O BOX 278

LAKE FOREST, CA 92630

Owner/operator country: Not reported
Owner/operator telephone: (714) 581-9411
Legal status: Private
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:
Mixed waste (haz. and radioactive):
Recycler of hazardous waste:
Transporter of hazardous waste:
No
Treater, storer or disposer of HW:
Underground injection activity:
No
On-site burner exemption:
No

Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### THE YOUNG ENGINEERS INC (Continued)

1001126700

FINDS:

Registry ID: 110002915962

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal

facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAR000017830

Contact: PAT W WELLS/VICE PRESIDENT

Telephone: 9495819411 Facility Addr2: Not reported Mailing Name: Not reported Mailing Address: PO BOX 278

Mailing City, St, Zip: LAKE FOREST, CA 926090278

Gen County: Orange TSD EPA ID: CAT080013352 TSD County: Los Angeles

Waste Category: Aqueous solution with less than 10% total organic residues

Disposal Method: Recycler 0.45 Tons: Facility County: Not reported

CAR000017830 Gepaid:

PAT W WELLS/VICE PRESIDENT Contact:

Telephone: 9495819411 Facility Addr2: Not reported Mailing Name: Not reported Mailing Address: PO BOX 278

Mailing City, St, Zip: LAKE FOREST, CA 926090278

Gen County: Orange TSD EPA ID: CAT080013352 TSD County: Los Angeles

Waste Category: Aqueous solution with less than 10% total organic residues

Disposal Method: Recycler Tons: 0.45 Facility County: Not reported

Gepaid: CAR000017830

Contact: PAT W WELLS/VICE PRESIDENT

9495819411 Telephone: Facility Addr2: Not reported Mailing Name: Not reported Mailing Address: **PO BOX 278** 

Mailing City, St, Zip: LAKE FOREST, CA 926090278

Direction Distance

Elevation Site Database(s) EPA ID Number

# THE YOUNG ENGINEERS INC (Continued)

1001126700

**EDR ID Number** 

Gen County: Orange

TSD EPA ID: CAD981696420 TSD County: Los Angeles

Waste Category: Unspecified oil-containing waste

Disposal Method: H141
Tons: 10.90455
Facility County: Orange

Gepaid: CAR000017830

Contact: PAT W WELLS/VICE PRESIDENT

Telephone: 9495819411
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 278

Mailing City, St, Zip: LAKE FOREST, CA 926090278

Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles

Waste Category: Waste oil and mixed oil

Disposal Method: H039
Tons: 0.209
Facility County: Orange

Gepaid: CAR000017830

Contact: PAT W WELLS/VICE PRESIDENT

Telephone: 9495819411
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 278

Mailing City, St, Zip: LAKE FOREST, CA 926090278

Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles

Waste Category: Unspecified organic liquid mixture

Disposal Method: H039
Tons: 3.74
Facility County: Orange

<u>Click this hyperlink</u> while viewing on your computer to access 52 additional CA\_HAZNET: record(s) in the EDR Site Report.

52 additional CA\_HAZNET: record(s) in the EDR Site Report

38 ARB INC UST U003721263
South 26032 COMMERCENTRE DR N/A

1/2-1 0.612 mi. 3231 ft.

Relative: UST:

Lower Global ID: 4859

Latitude: 33.663077
Actual: Longitude: -117.676481

LAKE FOREST, CA 92630

711 ft.

Direction Distance

Elevation Site Database(s) EPA ID Number

J39 ARB INC RCRA-SQG 1004675755

 South
 20602 INDIAN OCEAN
 FINDS
 CAR000076760

 1/2-1
 LAKE FOREST, CA 92630
 UST

0.619 mi. AST 3269 ft. Site 4 of 4 in cluster J HAZNET

Relative: RCRA-SQG:

**Lower** Date form received by agency: 03/03/2004

Facility name: ARB INC

Actual: Facility address: 20602 INDIAN OCEAN
727 ft. LAKE FOREST, CA 92630

EPA ID: CAR000076760

Contact: JERRY J CLEGHORN

Contact address: 20602 INDIAN OCEAN

LAKE FOREST, CA 92630

Contact country: US

Contact telephone: 949-465-7302

Contact email: JCLEGHORN@ARBINC.COM

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JERRY CLEGHORN

Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/15/1998
Owner/Op end date: Not reported

Owner/operator name: ARB INC

Owner/operator address: 26000 COMMERCENTRE DRIVE

LAKE FOREST, CA 92630

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/01/1996 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No

Direction Distance

Elevation Site Database(s) EPA ID Number

ARB INC (Continued) 1004675755

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Off-site waste receiver: Commercial status unknown

**Historical Generators:** 

Date form received by agency: 02/17/2004 Facility name: ARB INC

Classification: Small Quantity Generator

Date form received by agency: 07/03/2000
Facility name: ARB INC
Site name: A R B INC

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110002939447

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

ORANGE CO. UST:

Facility ID: FA0024287

AST:

Owner: ARB INC
Total Gallons: 1,320
Certified Unified Program Agencies: Orange

HAZNET:

Gepaid: CAR000076760

Contact: CRAIG STARK MAINTENANCE MGR

Telephone: 9494657302 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 26000 COMMERCENTRE DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: 00

TSD EPA ID: CAD008252405 TSD County: Los Angeles

Direction Distance

Elevation Site Database(s) EPA ID Number

ARB INC (Continued) 1004675755

Waste Category: Off-specification, aged, or surplus organics

Disposal Method: H061
Tons: 0.0165
Facility County: 00

Gepaid: CAR000076760

Contact: CRAIG STARK MAINTENANCE MGR

Telephone: 9494657302 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 26000 COMMERCENTRE DR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: 00

TSD EPA ID: NVT330010000

TSD County: 99

Waste Category: Unspecified aqueous solution

Disposal Method: H039
Tons: 0.1934
Facility County: 00

Gepaid: CAR000076760

Contact: CRAIG STARK MAINTENANCE MGR

Telephone: 9494657302 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 26000 COMMERCENTRE DR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: 00

TSD EPA ID: NVT330010000

TSD County: 99

Waste Category: Unspecified sludge waste

Disposal Method: H039
Tons: 2.52285
Facility County: 00

Gepaid: CAR000076760

Contact: CRAIG STARK MAINTENANCE MGR

Telephone: 9494657302 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 26000 COMMERCENTRE DR
Mailing City,St,Zip: LAKE FOREST, CA 926300000

Gen County: 00

TSD EPA ID: CAD008364432 TSD County: Los Angeles

Waste Category: Other inorganic solid waste

Disposal Method: H141
Tons: 0.015
Facility County: 00

Gepaid: CAR000076760

Contact: CRAIG STARK MAINTENANCE MGR

Telephone: 9494657302 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 26000 COMMERCENTRE DR Mailing City,St,Zip: LAKE FOREST, CA 926300000

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

ARB INC (Continued) 1004675755

Gen County: 00

NVT330010000 TSD EPA ID:

TSD County: 99

Waste Category: Other organic solids

Disposal Method: H132 0.01 Tons: Facility County: 00

> Click this hyperlink while viewing on your computer to access 19 additional CA\_HAZNET: record(s) in the EDR Site Report.

40 **GREENWASTE, LAKE FOREST** WMUDS/SWAT S103443284 SW 20200 BAKE PARKWAY **WDS** N/A

1/2-1 0.656 mi. 3463 ft.

WMUDS/SWAT: Relative:

Edit Date: Not reported Lower

LAKE FOREST CA, CA 92630

Not reported Complexity: Actual: Primary Waste: Solid Wastes 675 ft.

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and

liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

waste).

Secondary Waste: Not reported Secondary Waste Type: Not reported Base Meridian: Not reported NPID: Not reported

Tonnage: 0

Regional Board ID: Not reported Municipal Solid Waste: False Superorder: False Open To Public: False Waste List: False Agency Type: Private

R & S DUMPING AND CONSTRUCTION Agency Name:

Agency Department: Not reported

24002 VIA FABRICANTE, STE 215 Agency Address: Agency City, St, Zip: MISSION VIEJO CA 92691

Agency Contact: STEVEN CARNEAL

Agency Telephone: 7148308884 Land Owner Name: Not reported Land Owner Address: Not reported Land Owner City, St, Zip: Not reported Land Owner Contact: Not reported Land Owner Phone: Not reported

Region:

Facility Type: Other - Does not fall into the category of Municipal/Domestic,

Industrial, Agricultural or Solid Waste (Class I, II or III)

Facility Description: Not reported Facility Telephone: Not reported SWAT Facility Name: Not reported Primary SIC: 2875

Secondary SIC: Not reported Comments: Not reported Last Facility Editors: Not reported

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

## **GREENWASTE, LAKE FOREST (Continued)**

S103443284

Waste Discharge System: True

Solid Waste Assessment Test Program: False Toxic Pits Cleanup Act Program: False Resource Conservation Recovery Act: False Department of Defence: False Solid Waste Assessment Test Program: Not reported Threat to Water Quality: Not reported Sub Chapter 15: True Regional Board Project Officer: Not reported

Number of WMUDS at Facility:

Section Range: Not reported

RCRA Facility: No

Waste Discharge Requirements: Historical - Any regulated facility for which the Regional Board has

rescinded all WDRs or consciously allowed an NPDES permit to expire.

Self-Monitoring Rept. Frequency: No Reporting Requirements

Waste Discharge System ID: 8 303039001 Solid Waste Information ID: Not reported

CA WDS:

Facility ID: Santa Ana River 303039001

Facility Type: Other - Does not fall into the category of Municipal/Domestic,

Industrial, Agricultural or Solid Waste (Class I, II or III)

Facility Status: Active - Any facility with a continuous or seasonal discharge that is

under Waste Discharge Requirements.

NPDES Number: Not reported

Subregion:

Facility Telephone: Not reported Facility Contact: STEVEN CARNEAL

Agency Name: R & S DUMPING AND CONSTRUCTION 24002 VIA FABRICANTE STE 215 Agency Address:

MISSION VIEJO 92691 Agency City, St, Zip: Agency Contact: STEVEN CARNEAL Agency Telephone: Not reported

Agency Type: Private SIC Code: 2875 SIC Code 2: Not reported

Primary Waste: Solid Wastes

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain

nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

waste).

Secondary Waste: Not reported Secondary Waste Type: Not reported

Design Flow: Baseline Flow:

Reclamation: No reclamation requirements associated with this facility.

POTW: The facility is not a POTW.

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order

> should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to

represent no threat to water quality.

Category C - Facilities having no waste treatment systems, such as Complexity:

> cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**GREENWASTE, LAKE FOREST (Continued)** 

S103443284

disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as

dairy waste ponds.

AST A100324735 41

**25961 WRIGHT** North N/A

1/2-1 LAKE FOREST, CA 92610

0.696 mi. 3676 ft.

AST: Relative:

**QUINN SHEPHERD MACHINERY** Owner: Lower

Total Gallons: Actual: Certified Unified Program Agencies: Orange

736 ft.

42 **SHELL** UST U004051193

26721 RANCHO PKWY **East** N/A

LAKE FOREST, CA 92630 1/2-1

0.703 mi. 3711 ft.

ORANGE CO. UST: Relative:

Facility ID: FA0024028 Lower

Actual:

728 ft. K43

**R & S SOIL PRODUCTS INC DRYCLEANERS** S110495854 wsw **25193 COMMERCENTRE** N/A

1/2-1 LAKE FOREST, CA 92630

0.720 mi.

3800 ft. Site 1 of 2 in cluster K

DRYCLEANERS: Relative:

CAL000300864 EPA Id: Lower NAICS Code: 514199

Actual: NAICS Description: All Other Information Services

575 ft.

SIC Code: 7389 SIC Description: Business Services, NEC (stock photo agencies, press clipping services)

Create Date: 11/29/2005 10:30:00 AM

Facility Active: No Inactive Date: 5/2/2008 Facility Addr2: Not reported Mailing Name: Not reported

Mailing Address: 24002 VIA FABRICANTE STE 225

Mailing Address 2: Not reported Mailing State: CA

Mailing Zip: 92691 Region Code:

Owner Name: R & S SOIL PRODUCTS INC Owner Address: 24002 VIA FABRICANTE STE 225

Owner Address 2: Not reported 000000000 Owner Telephone: Contact Name: STEVEN CARNEAL

Contact Address: 24002 VIA FABRICANTE STE 225

Contact Address 2: Not reported 9498308882 Contact Telephone:

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

K44 **VARIAN, INC. CONSUMABLE PRODUCTS** RCRA-LQG 1001217589 **WSW** 25200 COMMERCENTRE DR. FINDS CAR000037721

LAKE FOREST, CA 92630 1/2-1

0.722 mi. 3812 ft. Site 2 of 2 in cluster K

Relative:

RCRA-LQG: Lower

Date form received by agency: 02/28/2008

Actual: Facility name: VARIAN, INC. CONSUMABLE PRODUCTS 579 ft.

25200 COMMERCENTRE DR. Facility address: LAKE FOREST, CA 92630

EPA ID: CAR000037721 CARI A GOODRICH Contact:

Contact address: Not reported

Not reported

Contact country: Not reported Contact telephone: (949) 770-9381

7959 Telephone ext.:

Contact email: CARI.GOODRICH@VARIANINC.COM

EPA Region: 09 Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

> calendar month: or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: VARIAN, INC. 3120 HANSEN WAY Owner/operator address: PALO ALTO, CA 94304

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 02/15/2002 Owner/Op end date: Not reported

VARIAN, INC. Owner/operator name: Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 02/15/2002 Owner/Op end date:

Not reported

Handler Activities Summary:

**NPDES** 

**HAZNET EMI** 

**DRYCLEANERS** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### VARIAN, INC. CONSUMABLE PRODUCTS (Continued)

1001217589

**EDR ID Number** 

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Lamps Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Thermostats

Accumulated waste on-site: No

Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 02/21/2006

Facility name: VARIAN, INC. CONSUMABLE PRODUCTS

Site name: VARIAN, INC.

Classification: Small Quantity Generator

Date form received by agency: 02/21/2006

Facility name: VARIAN, INC. CONSUMABLE PRODUCTS

Site name: VARIAN, INC.

Classification: Large Quantity Generator

Date form received by agency: 03/18/2002

Facility name: VARIAN, INC. CONSUMABLE PRODUCTS

Site name: VARIAN S I LAKE FOREST Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS

Direction Distance Elevation

evation Site Database(s) EPA ID Number

#### VARIAN, INC. CONSUMABLE PRODUCTS (Continued)

1001217589

**EDR ID Number** 

USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D008 Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D011 Waste name: SILVER

Waste code: D019

Waste name: CARBON TETRACHLORIDE

Waste code: D028

Waste name: 1,2-DICHLOROETHANE

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P030

Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P106

Waste name: SODIUM CYANIDE

Biennial Reports:

Last Biennial Reporting Year: 2009

Direction Distance Elevation

vation Site Database(s) EPA ID Number

## VARIAN, INC. CONSUMABLE PRODUCTS (Continued)

1001217589

**EDR ID Number** 

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 104821.5

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 3730

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 450

Waste code: D008
Waste name: LEAD
Amount (Lbs): 395

Waste code: D009
Waste name: MERCURY

Amount (Lbs): 75

Waste code: D011
Waste name: SILVER
Amount (Lbs): 395

Waste code: D028

Waste name: 1,2-DICHLOROETHANE

Amount (Lbs): 580

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Amount (Lbs): 103080.5

Direction Distance

Elevation Site Database(s) EPA ID Number

## VARIAN, INC. CONSUMABLE PRODUCTS (Continued)

1001217589

**EDR ID Number** 

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 103080.5

Waste code: P030

Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Amount (Lbs): 5

Waste code: P106

Waste name: SODIUM CYANIDE

Amount (Lbs): 5

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 12/16/2008
Date achieved compliance: 12/16/2008
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/16/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/17/2009

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 12/16/2008

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 12/16/2008 Evaluation lead agency: State

Evaluation date: 12/02/2008

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported
Not reported
State

Evaluation date: 10/16/2006

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

### VARIAN, INC. CONSUMABLE PRODUCTS (Continued)

1001217589

**EDR ID Number** 

Date achieved compliance: Not reported Evaluation lead agency: State

FINDS:

Registry ID: 110002921492

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

#### NPDES:

Npdes Number:
Racility Status:
Active
Agency Id:
Active
Agenc

Regulatory Measure Type: Storm water industrial

Place Id: 627537 WDID: 9 301019520 Program Type: **INDSTW** Adoption Date Of Regulatory Measure: Not reported Effective Date Of Regulatory Measure: 5/20/2005 **Expiration Date Of Regulatory Measure:** Not reported Termination Date Of Regulatory Measure: Not reported Discharge Name: Varian Inc Discharge Address: Not reported Discharge City: Not reported Discharge State: Not reported Discharge Zip: Not reported

DRYCLEANERS:

EPA Id: CAR000037721 NAICS Code: 325998

NAICS Description: All Other Miscellaneous Chemical Product and Preparation Manufacturing

SIC Code: 7389

SIC Description: Business Services, NEC (aerosol packaging)

Direction Distance

Elevation Site Database(s) EPA ID Number

## VARIAN, INC. CONSUMABLE PRODUCTS (Continued)

1001217589

**EDR ID Number** 

Create Date: 5/13/1998
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: VARIAN, INC.

Mailing Address: 25200 COMMERCENTRE DR

Mailing Address 2: Not reported

Mailing State: CA Mailing Zip: 926308810

Region Code: 4

Owner Name: VARIAN, INC.
Owner Address: 3120 HANSEN WAY
Owner Address 2: Not reported
Owner Telephone: 6502138000
Contact Name: CARI GOODRICH

Contact Address: 25200 COMMERCENTRE DR

Contact Address 2: Not reported Contact Telephone: 9497709381

HAZNET:

Gepaid: CAR000037721
Contact: CARI GOODRICH
Telephone: 9497709381
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25200 COMMERCENTRE DR Mailing City,St,Zip: LAKE FOREST, CA 926308810

Gen County: Orange
TSD EPA ID: CAD044429835
TSD County: Los Angeles

Waste Category: Alkaline solution without metals (pH > 12.5)

Disposal Method: Disposal, Other

Tons: 0.43

Facility County: Not reported

Gepaid: CAR000037721
Contact: CARI GOODRICH
Telephone: 9497709381
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25200 COMMERCENTRE DR
Mailing City, St, Zip: LAKE FOREST, CA 926308810

Gen County: Orange
TSD EPA ID: CAD008302903
TSD County: Los Angeles

Waste Category: Off-specification, aged, or surplus organics

Disposal Method: H061
Tons: 0
Facility County: Orange

Gepaid: CAR000037721
Contact: CARI GOODRICH
Telephone: 9497709381
Facility Addr2: Not reported
Mailing Name: Not reported

Mailing Address: 25200 COMMERCENTRE DR Mailing City,St,Zip: LAKE FOREST, CA 926308810

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### VARIAN, INC. CONSUMABLE PRODUCTS (Continued)

1001217589

Gen County: Orange CAT080014079 TSD EPA ID: TSD County: Contra Costa

Waste Category: Off-specification, aged, or surplus inorganics

Disposal Method: H141 Tons: 0 Facility County: Orange

Gepaid: CAR000037721 Contact: CARI GOODRICH 9497709381 Telephone: Not reported Facility Addr2: Mailing Name: Not reported

Mailing Address: 25200 COMMERCENTRE DR Mailing City, St, Zip: LAKE FOREST, CA 926308810

Gen County: Orange TSD EPA ID: CAD008302903 TSD County: Los Angeles

Waste Category: Unspecified solvent mixture Waste

H061 Disposal Method: 46.44 Tons: Facility County: Orange

CAR000037721 Gepaid: CARI GOODRICH Contact: Telephone: 9497709381 Facility Addr2: Not reported Mailing Name: Not reported

25200 COMMERCENTRE DR Mailing Address: Mailing City, St, Zip: LAKE FOREST, CA 926308810

Gen County: Orange TSD EPA ID: CAD008302903 TSD County: Los Angeles

Waste Category: Liquids with pH <UN-> 2

H141 Disposal Method: Tons: 0.28 Facility County: Orange

> Click this hyperlink while viewing on your computer to access 71 additional CA\_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 2006 County Code: 30 Air Basin: SC Facility ID: 131814 Air District Name: SC 3829 SIC Code:

SOUTH COAST AQMD Air District Name:

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 2.562551693889267878

Reactive Organic Gases Tons/Yr: 1.897 Carbon Monoxide Emissions Tons/Yr: .223 NOX - Oxides of Nitrogen Tons/Yr: .654 SOX - Oxides of Sulphur Tons/Yr: .003 Particulate Matter Tons/Yr: .039

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

VARIAN, INC. CONSUMABLE PRODUCTS (Continued)

1001217589

N/A

Part. Matter 10 Micrometers & Smllr Tons/Yr: .03895

2007 Year: County Code: 30 Air Basin: SC 131814 Facility ID: Air District Name: SC SIC Code: 3829

SOUTH COAST AQMD Air District Name:

Community Health Air Pollution Info System: Not reported Consolidated Emission Reporting Rule: Not reported

Total Organic Hydrocarbon Gases Tons/Yr: 2.562551693889267878

Reactive Organic Gases Tons/Yr: 1.897 Carbon Monoxide Emissions Tons/Yr: .223 NOX - Oxides of Nitrogen Tons/Yr: .654 SOX - Oxides of Sulphur Tons/Yr: .003 Particulate Matter Tons/Yr: .039 Part. Matter 10 Micrometers & Smllr Tons/Yr: .03895

A100336921 45 AST

**ENE** 26642 TOWNE CENTRE DR 1/2-1 FOOTHILL RANCH, CA 92610

0.739 mi. 3901 ft.

AST: Relative:

Owner: ARDEN REALTY Higher

Total Gallons: 1,320 Actual: Certified Unified Program Agencies: Orange

787 ft.

**GREENWASTE COMPOSTING** WMUDS/SWAT 46 S104384477 N/A

South 20712 INDIAN OCEAN DR 1/2-1 LAKE FOREST CA, CA 92630

0.749 mi. 3954 ft.

WMUDS/SWAT: Relative:

Edit Date: Not reported Lower Not reported Complexity:

Actual: Primary Waste: Solid Wastes 683 ft.

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and

liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

waste). Not reported

Secondary Waste: Secondary Waste Type: Not reported Base Meridian: Not reported NPID: Not reported

Tonnage:

Regional Board ID: Not reported Municipal Solid Waste: False Superorder: False Open To Public: False Waste List: False Private Agency Type:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **GREENWASTE COMPOSTING (Continued)**

S104384477

Agency Name: PACIFIC WASTE MANAGEMENT

Agency Department: Not reported

Agency Address: 20712 INDIAN OCEAN DR. Agency City, St, Zip: LAKE FOREST CA 92630

Agency Contact: **GARY PLUMLEY** Agency Telephone: 7145988181 Land Owner Name: Not reported Land Owner Address: Not reported Land Owner City, St, Zip: Not reported Land Owner Contact: Not reported Land Owner Phone: Not reported

Region:

Facility Type: Other - Does not fall into the category of Municipal/Domestic,

Industrial, Agricultural or Solid Waste (Class I, II or III)

Facility Description: Not reported Facility Telephone: Not reported SWAT Facility Name: Not reported Primary SIC: 2875

Secondary SIC: Not reported Comments: Not reported Last Facility Editors: Not reported

Waste Discharge System: True

Solid Waste Assessment Test Program: False Toxic Pits Cleanup Act Program: False Resource Conservation Recovery Act: False Department of Defence: False Solid Waste Assessment Test Program: Not reported Threat to Water Quality: Not reported Sub Chapter 15: True Regional Board Project Officer: JPL Number of WMUDS at Facility: O

Section Range: Not reported

RCRA Facility:

Waste Discharge Requirements: Historical - Any regulated facility for which the Regional Board has rescinded all WDRs or consciously allowed an NPDES permit to expire.

Self-Monitoring Rept. Frequency: No Reporting Requirements

Waste Discharge System ID: 8 303062001 Solid Waste Information ID: Not reported

**BEACON BAY CAR WASH** LUST S105624601 20602 LAKE FOREST DR N/A

1/2-1 LAKE FOREST, CA 92630

0.926 mi.

L47

SE

4888 ft. Site 1 of 2 in cluster L ORANGE CO. LUST: Relative:

ORANGE Region: Lower Facility Id: 02UT003

Actual: **Current Status:** Certification (Case Closed)

696 ft. Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 09/12/2002 Undetermined Case Type: Record ID: RO0003032

Direction Distance

Elevation Site Database(s) EPA ID Number

 L48
 BEACON BAY CAR WASH
 LUST
 \$105774228

 SE
 20602 LAKE FOREST
 HAZNET
 N/A

1/2-1 0.926 mi.

4888 ft. Site 2 of 2 in cluster L

LAKE FOREST, CA 92630

Relative: Lower 

 LUST:
 Region:
 STATE

 Global Id:
 T0605999998

 Latitude:
 33.663041

Actual: 696 ft.

Longitude: -117.666454
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2002-09-12 00:00:00
Lead Agency: ORANGE COUNTY LOP

Case Worker: KL

Local Agency: ORANGE COUNTY LOP

RB Case Number: 083003899T
LOC Case Number: 02UT003
File Location: Local Agency
Potential Media Affect: Under Investigation

Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST REG 8:

Region: 8 County: Orange

Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083003899T
Local Case Num: 02UT003
Case Type: Undefined
Substance: Gasoline

Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported Enf Type: Not reported Funding: Not reported Tank Closure How Discovered: How Stopped: Close Tank Leak Cause: Unknown Leak Source: Unknown Global ID: T0605999998 How Stopped Date: 9/9/9999 Enter Date: Not reported Review Date: Not reported Prelim Assess: Not reported 1/1/1965 Discover Date: Enforcement Date: Not reported 9/12/2002 Close Date: Workplan: Not reported Pollution Char: Not reported Remed Plan: Not reported Remed Action: Not reported Monitoring: Not reported Enter Date: Not reported **GW Qualifies:** Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **BEACON BAY CAR WASH (Continued)**

S105774228

Soil Qualifies: Not reported Operator: Not reported Not reported Facility Contact: Interim: Not reported Oversite Program: LUST Latitude: 33.662755 -117.667306 Longitude: MTBE Date: Not reported Max MTBE GW: Not reported

MTBE Concentration:

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

MTBE Class: NOM Staff: Staff Initials: JS

Lead Agency: Local Agency Local Agency: 30000L Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported Summary: Not reported

HAZNET:

Gepaid: CAC002484463

Contact: LARRY WHITWER/AMI ADINI & ASSC

Telephone: 3239134073 Not reported Facility Addr2: Mailing Name: Not reported

Mailing Address: 3152 RD HILL STE 230 Mailing City, St, Zip: COSTA MESA, CA 926260000

Gen County: Orange Not reported TSD EPA ID: TSD County: Los Angeles

Waste Category: Waste oil and mixed oil

Disposal Method: Recycler Tons: 0.83 Facility County: Not reported

STATE

**ARCO** 

S105774214 49 LUST SE 20572 LAKE FOREST DR **SWEEPS UST** N/A LAKE FOREST, CA 92630 1/2-1

0.935 mi. 4938 ft.

LUST: Relative: Region: Lower

Global Id: T0605947685 Actual: Latitude: 33.663244 696 ft. -117.665983 Longitude:

Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 2003-05-16 00:00:00 ORANGE COUNTY LOP Lead Agency:

Case Worker: ΚL

Direction Distance

Elevation Site Database(s) EPA ID Number

ARCO (Continued) S105774214

Local Agency: ORANGE COUNTY LOP

RB Case Number: Not reported LOC Case Number: 02UT008

File Location: Local Agency Warehouse

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

ORANGE CO. LUST:

Region: ORANGE Facility Id: 02UT008

Current Status: Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 05/16/2003 Case Type: Soil Only Record ID: RO0003049

LUST REG 8:

Interim:

Region: 8 County: Or

County: Orange

Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: Not reported
Local Case Num: 02UT008
Case Type: Soil only
Substance: Gasoline
Qty Leaked: 0

Abate Method: Not reported Cross Street: Not reported Enf Type: CLOS Funding: Not reported

How Discovered: UM

How Stopped: Other Means Leak Cause: Unknown Leak Source: Piping T0605947685 Global ID: 9/9/9999 How Stopped Date: Enter Date: Not reported Review Date: Not reported Prelim Assess: 2/26/2002 2/26/2002 Discover Date: Not reported **Enforcement Date:** 5/16/2003 Close Date: Workplan: Not reported Pollution Char: Not reported Remed Plan: Not reported Remed Action: Not reported Not reported Monitoring: Enter Date: Not reported **GW Qualifies:** Not reported Soil Qualifies: Not reported Operator: Not reported Facility Contact: Not reported

Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

ARCO (Continued) S105774214

Oversite Program: LUST Latitude: 0 Longitude: 0

MTBE Date: Not reported Max MTBE GW: Not reported

MTBE Concentration:

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

MTBE Class: VJJ Staff: Staff Initials: JS

Local Agency Lead Agency: Local Agency: 30000L Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported Summary: Not reported

SWEEPS UST:

Status: Α 12020 Comp Number: Number:

Board Of Equalization: Not reported Ref Date: 09-30-92 Act Date: 09-15-92 Created Date: 02-29-88

Tank Status: Α

Owner Tank Id: Not reported

Swrcb Tank Id: 30-000-012020-000001

Actv Date: Not reported Capacity: 10000 Tank Use: M.V. FUEL Stg: Content: **LEADED** Number Of Tanks:

Status: Α 12020 Comp Number: Number:

Board Of Equalization: Not reported Ref Date: 09-30-92 09-15-92 Act Date: 02-29-88 Created Date: Tank Status:

Not reported Owner Tank Id:

30-000-012020-000002 Swrcb Tank Id:

Actv Date: Not reported Capacity: 10000 Tank Use: M.V. FUEL Stg: DIESEL Content: Number Of Tanks: Not reported

Status: Α

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

ARCO (Continued) S105774214

Comp Number: 12020 Number: 9

Board Of Equalization: Not reported Ref Date: 09-30-92 Act Date: 09-15-92 Created Date: 02-29-88 Tank Status: Α

Owner Tank Id: Not reported

Swrcb Tank Id: 30-000-012020-000003

Actv Date: Not reported 10000 Capacity: Tank Use: M.V. FUEL

Stg:

Content: **REG UNLEADED** Number Of Tanks: Not reported

Α Status: Comp Number: 12020 Number:

Board Of Equalization: Not reported 09-30-92 Ref Date: 09-15-92 Act Date: Created Date: 02-29-88 Tank Status: Α

Owner Tank Id: Not reported

Swrcb Tank Id: 30-000-012020-000004

Actv Date: Not reported Capacity: 10000 M.V. FUEL Tank Use:

Stg:

**REG UNLEADED** Content: Number Of Tanks: Not reported

CORTESE

50 G & M OIL CO, INC SE 20731 LAKE FOREST DR 1/2-1 LAKE FOREST, CA 92630

0.995 mi. 5252 ft.

CORTESE: Relative: Region: Lower

Facility County Code: Actual: LTNKA Reg By: 707 ft. Reg Id: 083003083T

LUST:

Region: STATE Global Id: T0605902102 Latitude: 33.6458268 Longitude: -117.6890547 LUST Cleanup Site Case Type: Completed - Case Closed Status: 1998-04-20 00:00:00 Status Date: Lead Agency: ORANGE COUNTY LOP

Case Worker:

ORANGE COUNTY LOP Local Agency:

083003083T RB Case Number:

U003659611

N/A

HIST CORTESE

**SWEEPS UST** 

LUST

**HAZNET** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### G & M OIL CO, INC (Continued)

U003659611

LOC Case Number: 97UT037 File Location: Local Agency Potential Media Affect: Soil Potential Contaminants of Concern: Gasoline Site History: Not reported

Click here to access the California GeoTracker records for this facility:

### ORANGE CO. LUST:

Region: **ORANGE** Facility Id: 97UT037

**Current Status:** Certification (Case Closed)

Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

Date Closed: 04/20/1998 Case Type: Soil Only RO0001932 Record ID:

### LUST REG 8:

8 Region:

County: Orange

Regional Board: Santa Ana Region Facility Status: Case Closed Case Number: 083003083T Local Case Num: 97UT037 Case Type: Soil only Substance: Gasoline Qty Leaked:

Abate Method: Not reported Cross Street: Not reported Not reported Enf Type: Funding: Not reported How Discovered: Tank Closure Close Tank How Stopped: Leak Cause: Unknown Leak Source: Unknown Global ID: T0605902102

How Stopped Date: 9/9/9999 Enter Date: Not reported Review Date: Not reported Prelim Assess: Not reported Discover Date: 9/12/1997 **Enforcement Date:** Not reported 4/20/1998 Close Date: Workplan: Not reported Pollution Char: Not reported Remed Plan: Not reported Remed Action: Not reported Monitoring: Not reported Enter Date: Not reported **GW Qualifies:** Not reported Soil Qualifies: Not reported Not reported Operator: Facility Contact: Not reported Interim: Not reported Oversite Program: LUST

33.6458268

Latitude:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### G & M OIL CO, INC (Continued)

U003659611

Longitude: -117.6890547 MTBE Date: Not reported Max MTBE GW: Not reported

MTBE Concentration: 0

Max MTBE Soil: Not reported

MTBE Fuel:

MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

MTBE Class: Staff: TME Staff Initials: JS

Lead Agency: Local Agency 30000L Local Agency: Hydr Basin #: Not reported Beneficial: MUN Priority: Not reported Cleanup Fund Id: Not reported Work Suspended: Not reported Summary: Not reported

### SWEEPS UST:

Status: Α Comp Number: 11761 Number:

Not reported Board Of Equalization: 09-30-92 Ref Date: 09-15-92 Act Date: Created Date: 02-29-88 Tank Status:

Owner Tank Id: Not reported

30-000-011761-000001 Swrcb Tank Id:

Actv Date: Not reported Capacity: 12000 Tank Use: M.V. FUEL

Stg:

**REG UNLEADED** Content:

Number Of Tanks:

Status: 11761 Comp Number: Number:

Board Of Equalization: Not reported Ref Date: 09-30-92 Act Date: 09-15-92 02-29-88 Created Date: Tank Status:

Owner Tank Id: Not reported

Swrcb Tank Id: 30-000-011761-000002

Actv Date: Not reported 12000 Capacity: M.V. FUEL Tank Use:

Stg:

Content: **REG UNLEADED** Number Of Tanks: Not reported

Status: Comp Number: 11761 Number:

Direction
Distance

Elevation Site Database(s) EPA ID Number

## G & M OIL CO, INC (Continued)

U003659611

**EDR ID Number** 

Board Of Equalization: Not reported Ref Date: 09-30-92
Act Date: 09-15-92
Created Date: 02-29-88
Tank Status: A

Owner Tank Id: Not reported

Swrcb Tank Id: 30-000-011761-000003

Actv Date: Not reported
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

HAZNET:

Gepaid: CAL000273140

Contact: JUDY BOWE, COMPLIANCE MGR.

Telephone: 7143754700
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16868 A ST

Mailing City, St, Zip: HUNTINGTON BEACH, CA 92647

Gen County: Orange
TSD EPA ID: CAD008252405
TSD County: Los Angeles

Waste Category: Unspecified solvent mixture Waste

Disposal Method: Not reported Tons: 0.22

Facility County: Not reported

Gepaid: CAL000273140 Contact: JENNIFER TALBERT

Telephone: 7143754700
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16868 A ST

Mailing City,St,Zip: HUNTINGTON BEACH, CA 92647

Gen County: Orange
TSD EPA ID: Not reported
TSD County: Los Angeles

Waste Category: Waste oil and mixed oil

Disposal Method: Recycler
Tons: 0.27
Facility County: Not reported

Gepaid: CAL000273140

Contact: ANDREA MUNOZ, COMPLIANCE MGR

Telephone: 7143754700
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16868 A ST

Mailing City, St, Zip: HUNTINGTON BEACH, CA 92647

Gen County: Orange
TSD EPA ID: CAD981696420
TSD County: Los Angeles

Waste Category: Aqueous solution with less than 10% total organic residues

Disposal Method: Transfer Station

Map ID MAP FINDINGS

Distance

Elevation Site Database(s) EPA ID Number

### G & M OIL CO, INC (Continued)

U003659611

**EDR ID Number** 

Tons: 0.06 Facility County: Orange

Gepaid: CAL000273140

Contact: JIM SMITH, COMPLIANCE MANAGER

Telephone: 7143754700
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16868 A ST

Mailing City, St, Zip: HUNTINGTON BEACH, CA 92647

Gen County: Orange
TSD EPA ID: CAD981696420
TSD County: Los Angeles
Waste Category: Other organic solids

Disposal Method: H141
Tons: 0.15
Facility County: Orange

Gepaid: CAL000273140

Contact: JIM SMITH, COMPLIANCE MANAGER

Telephone: 7143754700
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 16868 A ST

Mailing City, St, Zip: HUNTINGTON BEACH, CA 926470000

Gen County: Orange
TSD EPA ID: CAD981696420
TSD County: Los Angeles

Waste Category: Unspecified oil-containing waste

Disposal Method: H141
Tons: 0.22935
Facility County: Orange

<u>Click this hyperlink</u> while viewing on your computer to access 1 additional CA\_HAZNET: record(s) in the EDR Site Report.

Count: 21 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
IRVINE	S108200449	CALTRANS DIST 12/EA12-1072U4	RTE 133 PM 12-ORA 133- 6.7-13.	92618	HAZNET
IRVINE	S108743888	CALTRANS DIST 12/CONSTR/EA12-0F950	RTE 5 NB PM 23.942 SAND CANYON	92618	HAZNET
IRVINE	S107140534	ARBOR INC	13844 ALTON PARK WAY	92618	HAZNET
IRVINE	S108225378	WEYERHAEUSER CO	1504 BAKE PKWY STE C	92618	HAZNET
IRVINE	S110043197	SPECTRUM 5 SOUTH OF IRVINE CENTER	BAKE PKWY / IRVINE CENTER DR	92618	NPDES
IRVINE	S106092420	TRANSPORTATION CORRIDOR AGENCIES	12574 N BOUND STATE RT 261	92618	HAZNET
IRVINE	S109446424	HYUNDAI AMERICA TECHNICAL CTR	NWC OF IRVINE CTR DR BAKE PKW	92618	NPDES
IRVINE	S109446796	IRVINE SPECTRUM APARTMENTS	SW OF ALTON / IRVINE CENTER	92618	NPDES
IRVINE	S109453768	PARK AT SPECTRUM	PLANNING AREA 33 SW OF ALTON	92618	NPDES
IRVINE	S109448132	LAMBERT RANCH TTM 16868	N PORTOLA PKWY E RIDGE VALLEY	92618	NPDES
IRVINE	S106801047	IRVINE RANCH DESALTER PROJECT	SAND CANYON RD & IRVINE CENTER	92618	WDS
IRVINE	S109447084	JL RESEARCH PARCEL MAP 3 OF PM 200	SWC BAKE AVE / RESEARCH DR	92618	NPDES
IRVINE	S106116069	FORMER OC INTERNATIONAL RACEWY	UNK 5 FWY @ ROUTE 133	92618	Orange Co. Industrial Site
IRVINE	S109441814	DIAMOND JAMBOREE ALTON JAMBOREE	SOUTH WEST CORNER OF JAMBOREE	92618	NPDES
LAKE FOREST	S109442903	ENTERPRISE TECH CTR	ENTERPRISE DR		NPDES
LAKE FOREST	S106092379	IRVINE RANCH WATER DIST	22312 MUIRLAND AVE	92630	HAZNET
LAKE FOREST	S109689915	R&S SOIL PRODUCTS, INC.	ROCKY RD. / PORTOLA PKWY.		SWF/LF
LAKE FOREST	S109443786	FOOTHILL RNCH MEDICAL OFFICES	26700 TOWNE CENTER DR	92610	NPDES
LAKE FOREST	U003659599	BAKER (LAWD)	21082 WISTERIA	92630	UST
LAKE FOREST	A100323972	HERTZ EQUIPMENT RENTAL	25831 W WRIGHT STREET	92610	AST
ORANGE COUNTY	S106905435	EL MORRO CONVERSION TO CAMPGRO	PACIFIC COAST HWY	0	WDS

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/31/2010 Source: EPA
Date Data Arrived at EDR: 01/13/2011 Telephone: N/A

Number of Days to Update: 15 Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/31/2010 Source: EPA
Date Data Arrived at EDR: 01/13/2011 Telephone: N/A

Date Made Active in Reports: 01/28/2011 Last EDR Contact: 01/13/2011

Number of Days to Update: 15 Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Source: EPA

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Telephone: 202-564-4267 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: No Update Planned

#### Federal Delisted NPL site list

**DELISTED NPL: National Priority List Deletions** 

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 01/13/2011 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 15

Source: EPA Telephone: N/A

Last EDR Contact: 01/13/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Quarterly

#### Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/30/2010 Date Data Arrived at EDR: 10/01/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 119

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 12/30/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realianment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??'s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010 Date Data Arrived at EDR: 01/11/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 01/11/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Varies

### Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009 Date Data Arrived at EDR: 09/02/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 19

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 12/01/2010

Next Scheduled EDR Contact: 03/14/2011 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 05/25/2010 Date Data Arrived at EDR: 06/02/2010 Date Made Active in Reports: 10/04/2010

Number of Days to Update: 124

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Quarterly

### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010 Date Data Arrived at EDR: 02/19/2010 Date Made Active in Reports: 05/17/2010 Number of Days to Update: 87

Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 01/06/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Quarterly

### Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010 Date Data Arrived at EDR: 02/19/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 01/06/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010 Date Data Arrived at EDR: 02/19/2010 Date Made Active in Reports: 05/17/2010 Number of Days to Update: 87

Source: Environmental Protection Agency Telephone: (415) 495-8895

Last EDR Contact: 01/06/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010 Date Data Arrived at EDR: 02/19/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 01/06/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Varies

### Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Telephone: 703-603-0695

Date of Government Version: 01/05/2011 Date Data Arrived at EDR: 01/14/2011 Date Made Active in Reports: 01/28/2011

Date Made Active in Reports: 01/28/2011 Last El Number of Days to Update: 14 Next S

Last EDR Contact: 12/10/2010 Next Scheduled EDR Contact: 03/28/2011

Source: Environmental Protection Agency

Next Scheduled EDR Contact: 03/28/2 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/05/2011 Date Data Arrived at EDR: 01/14/2011 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 12/10/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Varies

### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/09/2010 Date Data Arrived at EDR: 07/09/2010 Date Made Active in Reports: 08/17/2010

Number of Days to Update: 39

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 01/07/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Annually

### State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/08/2010 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 39

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/08/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Quarterly

### State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/08/2010 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 39

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/08/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Quarterly

### State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/22/2010 Date Data Arrived at EDR: 11/23/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 63

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Quarterly

### State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001 Date Data Arrived at EDR: 04/23/2001 Date Made Active in Reports: 05/21/2001

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595 Last EDR Contact: 12/22/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365 Last EDR Contact: 12/10/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003 Date Data Arrived at EDR: 09/10/2003 Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572 Last EDR Contact: 12/10/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-4834 Last EDR Contact: 01/03/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Quarterly

### LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6710 Last EDR Contact: 12/06/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: No Update Planned

### LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003 Date Data Arrived at EDR: 05/19/2003 Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786 Last EDR Contact: 05/17/2011

Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: No Update Planned

#### LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433 Last EDR Contact: 12/16/2010

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Quarterly

### LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001 Date Data Arrived at EDR: 02/28/2001 Date Made Active in Reports: 03/29/2001

Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-570-3769 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: No Update Planned

### LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 12/16/2010 Date Data Arrived at EDR: 12/16/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 43

Source: State Water Resources Control Board

Telephone: see region list Last EDR Contact: 02/04/2011

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Quarterly

#### LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005 Date Data Arrived at EDR: 02/15/2005 Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496 Last EDR Contact: 01/17/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 12/16/2010 Date Data Arrived at EDR: 12/16/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 43

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 02/04/2011

Next Scheduled EDR Contact: 04/04/2011

Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003 Date Data Arrived at EDR: 04/07/2003 Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004 Date Data Arrived at EDR: 10/20/2004 Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457 Last EDR Contact: 12/16/2010

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006 Date Data Arrived at EDR: 05/18/2006 Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147 Last EDR Contact: 01/17/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004 Date Data Arrived at EDR: 11/18/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600 Last EDR Contact: 01/03/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005 Date Data Arrived at EDR: 04/05/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-3291 Last EDR Contact: 12/10/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005 Date Data Arrived at EDR: 05/25/2005 Date Made Active in Reports: 06/16/2005

Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch

Telephone: 619-241-6583 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 02/28/2011 Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004 Date Data Arrived at EDR: 11/29/2004 Date Made Active in Reports: 01/04/2005

Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region

Telephone: 760-346-7491 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/03/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)

Telephone: 951-782-3298 Last EDR Contact: 12/10/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007 Date Data Arrived at EDR: 09/11/2007 Date Made Active in Reports: 09/28/2007

Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-467-2980 Last EDR Contact: 02/07/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2010 Date Data Arrived at EDR: 11/12/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 77

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/01/2010 Date Data Arrived at EDR: 11/05/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 84

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 02/03/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/16/2010 Date Data Arrived at EDR: 11/19/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 70

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/04/2010 Date Data Arrived at EDR: 11/05/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 84

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010 Date Data Arrived at EDR: 08/30/2010 Date Made Active in Reports: 10/04/2010

Number of Days to Update: 35

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 02/16/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/19/2010 Date Data Arrived at EDR: 11/19/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009 Date Data Arrived at EDR: 05/04/2010 Date Made Active in Reports: 07/07/2010

Number of Days to Update: 64

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/04/2010

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/16/2010 Date Data Arrived at EDR: 12/16/2010 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 35

Source: SWRCB Telephone: 916-480-1028 Last EDR Contact: 02/04/2011

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009 Date Data Arrived at EDR: 09/10/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 21

Source: State Water Resources Control Board

Telephone: 916-341-5712 Last EDR Contact: 01/10/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2010 Date Data Arrived at EDR: 11/12/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 77

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/19/2010 Date Data Arrived at EDR: 11/19/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 70

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/16/2010 Date Data Arrived at EDR: 11/19/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 70

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2010 Date Data Arrived at EDR: 12/02/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 57

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 02/03/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/10/2010 Date Data Arrived at EDR: 12/01/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 58

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010 Date Data Arrived at EDR: 02/11/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 60

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/27/2010 Date Data Arrived at EDR: 08/30/2010 Date Made Active in Reports: 10/04/2010

Number of Days to Update: 35

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 02/16/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/01/2010 Date Data Arrived at EDR: 11/05/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 84

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 02/03/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 01/17/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 11/08/2010 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 39

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/08/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 01/05/2010

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Varies

### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010 Date Data Arrived at EDR: 06/25/2010 Date Made Active in Reports: 08/17/2010

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 12/30/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Semi-Annually

### Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39

Source: Environmental Protection Agency Telephone: 800-424-9346

Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 12/22/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: No Update Planned

### WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 04/10/2000 Date Made Active in Reports: 05/10/2000

Number of Days to Update: 30

Source: State Water Resources Control Board

Telephone: 916-227-4448 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Quarterly

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 11/18/2010 Date Data Arrived at EDR: 12/23/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 36

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 12/23/2010

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 11/22/2010 Date Data Arrived at EDR: 11/23/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 63

Source: Integrated Waste Management Board

Telephone: 916-341-6422 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 02/08/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/03/2010 Date Data Arrived at EDR: 12/30/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 48

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 12/08/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: Quarterly

#### HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005 Date Data Arrived at EDR: 08/03/2006 Date Made Active in Reports: 08/24/2006

Number of Days to Update: 21

Source: Department of Toxic Substance Control

Telephone: 916-323-3400 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

### SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/08/2010 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 39

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 02/08/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Quarterly

## TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995 Date Data Arrived at EDR: 08/30/1995 Date Made Active in Reports: 09/26/1995

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-227-4364 Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 04/27/2009 Data Release Frequency: No Update Planned

### CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 08/19/2010 Date Data Arrived at EDR: 08/23/2010 Date Made Active in Reports: 09/29/2010

Number of Days to Update: 37

Source: Department of Toxic Substances Control

Telephone: 916-255-6504 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Varies

#### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

### Local Lists of Registered Storage Tanks

### CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994 Date Data Arrived at EDR: 09/05/1995 Date Made Active in Reports: 09/29/1995

Number of Days to Update: 24

Source: California Environmental Protection Agency

Telephone: 916-341-5851 Last EDR Contact: 12/28/1998 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/23/2009 Date Made Active in Reports: 10/01/2009

Number of Days to Update: 8

Source: Department of Public Health

Telephone: 707-463-4466 Last EDR Contact: 12/06/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990 Date Data Arrived at EDR: 01/25/1991 Date Made Active in Reports: 02/12/1991

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-341-5851 Last EDR Contact: 07/26/2001 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained.

The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994 Date Data Arrived at EDR: 07/07/2005 Date Made Active in Reports: 08/11/2005

Number of Days to Update: 35

Source: State Water Resources Control Board

Telephone: N/A

Last EDR Contact: 06/03/2005 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

#### Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 11/09/2010 Date Data Arrived at EDR: 11/16/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 92

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 12/08/2010 Date Data Arrived at EDR: 12/09/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 47

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/17/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Varies

### DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/14/2010 Date Data Arrived at EDR: 12/14/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 42

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 12/14/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Semi-Annually

### Records of Emergency Release Reports

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/06/2010 Date Data Arrived at EDR: 04/07/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 50

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 01/05/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Annually

### CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/21/2010 Date Made Active in Reports: 08/20/2010

Number of Days to Update: 30

Source: Office of Emergency Services

Telephone: 916-845-8400 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/16/2010 Date Data Arrived at EDR: 12/16/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 40

Source: State Water Quality Control Board

Telephone: 866-480-1028 Last EDR Contact: 02/04/2011

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Quarterly

### MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/16/2010 Date Data Arrived at EDR: 12/16/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 40

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 02/04/2011

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Quarterly

### Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010 Date Data Arrived at EDR: 02/19/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 01/06/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010 Date Data Arrived at EDR: 02/09/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 62

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 02/11/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS Telephone: 703-692-8801

Last EDR Contact: 01/21/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 08/12/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 112

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 12/13/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2010 Date Data Arrived at EDR: 10/29/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 91

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 01/03/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/01/2010 Date Data Arrived at EDR: 06/16/2010 Date Made Active in Reports: 08/17/2010

Number of Days to Update: 62

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 02/03/2011

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/21/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 99

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/29/2010

Next Scheduled EDR Contact: 03/14/2011 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/04/2010 Date Data Arrived at EDR: 09/09/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 12/29/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 01/13/2010 Date Made Active in Reports: 02/18/2010

Number of Days to Update: 36

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 12/17/2010

Next Scheduled EDR Contact: 03/14/2011 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/29/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA,

TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 11/29/2010

Next Scheduled EDR Contact: 03/14/2011 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 11/29/2010

Next Scheduled EDR Contact: 03/14/2011 Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 01/06/2010 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 04/24/2010 Date Data Arrived at EDR: 04/29/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 18

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 12/23/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010 Date Data Arrived at EDR: 11/10/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 98

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/21/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Annually

### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010 Date Data Arrived at EDR: 04/06/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 51

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 12/13/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Quarterly

#### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011 Date Data Arrived at EDR: 01/13/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 01/13/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010 Date Data Arrived at EDR: 04/16/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 41

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 12/10/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 02/25/2010 Date Made Active in Reports: 05/12/2010

Number of Days to Update: 76

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/30/2010

Next Scheduled EDR Contact: 03/07/2011 Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of

Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989 Date Data Arrived at EDR: 07/27/1994 Date Made Active in Reports: 08/02/1994

Number of Days to Update: 6

Source: Department of Health Services

Telephone: 916-255-2118 Last EDR Contact: 05/31/1994 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007 Date Data Arrived at EDR: 06/20/2007 Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227 Last EDR Contact: 11/29/2010

Next Scheduled EDR Contact: 03/14/2011 Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/22/2010 Date Data Arrived at EDR: 11/23/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 66

Source: State Water Resources Control Board

Telephone: 916-445-9379 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 01/04/2011 Date Data Arrived at EDR: 01/05/2011 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 20

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-3400 Last EDR Contact: 01/05/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

Date of Government Version: 04/01/2001 Date Data Arrived at EDR: 01/22/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993 Date Data Arrived at EDR: 11/01/1993 Date Made Active in Reports: 11/19/1993

Number of Days to Update: 18

Source: State Water Resources Control Board

Telephone: 916-445-3846 Last EDR Contact: 12/22/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: No Update Planned

#### DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/15/2010 Date Data Arrived at EDR: 09/16/2010 Date Made Active in Reports: 09/29/2010

Number of Days to Update: 13

Source: Department of Toxic Substance Control

Telephone: 916-327-4498 Last EDR Contact: 12/13/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Annually

### WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009 Date Data Arrived at EDR: 07/21/2009 Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726 Last EDR Contact: 01/03/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Varies

### HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/07/2010 Date Made Active in Reports: 08/12/2010

Number of Days to Update: 36

Source: California Environmental Protection Agency

Telephone: 916-255-1136 Last EDR Contact: 01/19/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Annually

### EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 10/18/2010

Number of Days to Update: 19

Source: California Air Resources Board

Telephone: 916-322-2990 Last EDR Contact: 12/30/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Varies

### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 01/21/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Semi-Annually

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 08/31/2010 Date Data Arrived at EDR: 09/01/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 92

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 05/09/2011 Data Release Frequency: Varies

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 11/17/2010 Date Data Arrived at EDR: 12/23/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 36

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 12/23/2010

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the

state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/09/2010 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 39

Source: Department of Public Health

Telephone: 916-558-1784 Last EDR Contact: 12/14/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 01/18/2011

Next Scheduled EDR Contact: 05/02/2011

Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009 Date Data Arrived at EDR: 12/18/2009 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/21/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/17/2011 Date Data Arrived at EDR: 01/18/2011 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 10

Source: Department of Toxic Substances Control

Telephone: 916-440-7145 Last EDR Contact: 01/18/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/09/2010 Date Data Arrived at EDR: 08/11/2010 Date Made Active in Reports: 08/20/2010

Number of Days to Update: 9

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 12/10/2010

Next Scheduled EDR Contact: 02/21/2011 Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 09/27/2010 Date Data Arrived at EDR: 09/28/2010 Date Made Active in Reports: 10/18/2010

Number of Days to Update: 20

Source: California Integrated Waste Management Board

Telephone: 916-341-6066 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Varies

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007 Date Data Arrived at EDR: 06/01/2007 Date Made Active in Reports: 06/29/2007

Number of Days to Update: 28

Source: Department of Toxic Substances Control

Telephone: 916-255-3628 Last EDR Contact: 02/04/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 01/21/2011

Next Scheduled EDR Contact: 05/02/2011

Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008 Date Data Arrived at EDR: 02/18/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 100

Source: Environmental Protection Agency Telephone: 202-566-0517

Last EDR Contact: 02/04/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

### **EDR PROPRIETARY RECORDS**

### **EDR Proprietary Records**

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Telephone: N/A
Last EDR Contact: N/A

Source: EDR, Inc.

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A Source: EDR, Inc.

Date Data Arrived at EDR: N/A Telephone: N/A

Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### **COUNTY RECORDS**

### ALAMEDA COUNTY:

### **Contaminated Sites**

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/06/2011 Date Data Arrived at EDR: 01/07/2011 Date Made Active in Reports: 01/25/2011 Number of Days to Update: 18 Source: Alameda County Environmental Health Services Telephone: 510-567-6700

Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Semi-Annually

### **Underground Tanks**

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2011 Date Data Arrived at EDR: 01/07/2011 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 13

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 01/03/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Semi-Annually

### CONTRA COSTA COUNTY:

### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/22/2010 Date Data Arrived at EDR: 11/23/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 63

Source: Contra Costa Health Services Department

Telephone: 925-646-2286 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Semi-Annually

### FRESNO COUNTY:

### **CUPA Resources List**

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/2011 Date Data Arrived at EDR: 01/18/2011 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 10

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 01/17/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Semi-Annually

### KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010 Date Data Arrived at EDR: 09/01/2010 Date Made Active in Reports: 09/30/2010

Number of Days to Update: 29

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700

Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Quarterly

### LOS ANGELES COUNTY:

#### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 10/23/2009

Number of Days to Update: 206

Source: EPA Region 9 Telephone: 415-972-3178 Last EDR Contact: 12/22/2010

Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: No Update Planned

### **HMS: Street Number List**

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/28/2010 Date Data Arrived at EDR: 12/14/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 42

Source: Department of Public Works Telephone: 626-458-3517

Last EDR Contact: 01/17/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/25/2010 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 11/17/2010

Number of Days to Update: 21

Source: La County Department of Public Works

Telephone: 818-458-5185 Last EDR Contact: 01/24/2011

Next Scheduled EDR Contact: 05/09/2011 Data Release Frequency: Varies

### City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009 Date Data Arrived at EDR: 03/10/2009 Date Made Active in Reports: 04/08/2009

Number of Days to Update: 29

Source: Engineering & Construction Division

Telephone: 213-473-7869 Last EDR Contact: 02/18/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Varies

#### Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/09/2010 Date Data Arrived at EDR: 02/12/2010 Date Made Active in Reports: 03/04/2010

Number of Days to Update: 20

Source: Community Health Services Telephone: 323-890-7806 Last EDR Contact: 10/25/2010

Next Scheduled EDR Contact: 05/09/2011 Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/26/2010 Date Data Arrived at EDR: 11/01/2010 Date Made Active in Reports: 11/18/2010

Number of Days to Update: 17

Source: City of El Segundo Fire Department

Telephone: 310-524-2236 Last EDR Contact: 01/24/2011

Next Scheduled EDR Contact: 05/06/2011 Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003 Date Data Arrived at EDR: 10/23/2003 Date Made Active in Reports: 11/26/2003

Number of Days to Update: 34

Source: City of Long Beach Fire Department

Telephone: 562-570-2563 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/22/2010 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 11/18/2010

Number of Days to Update: 22

Source: City of Torrance Fire Department

Telephone: 310-618-2973 Last EDR Contact: 01/17/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/28/2010 Date Data Arrived at EDR: 11/16/2010 Date Made Active in Reports: 11/18/2010

Number of Days to Update: 2

Source: Public Works Department Waste Management

Telephone: 415-499-6647 Last EDR Contact: 01/10/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008 Date Data Arrived at EDR: 07/09/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 22

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 12/06/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008 Date Data Arrived at EDR: 01/16/2008 Date Made Active in Reports: 02/08/2008

Number of Days to Update: 23

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 12/06/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: No Update Planned

### **ORANGE COUNTY:**

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/03/2010 Date Data Arrived at EDR: 11/19/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 70

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/03/2010 Date Data Arrived at EDR: 11/19/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 70

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2010 Date Data Arrived at EDR: 11/19/2010 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 62

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 02/15/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Quarterly

### PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/13/2010 Date Data Arrived at EDR: 09/14/2010 Date Made Active in Reports: 09/29/2010

Number of Days to Update: 15

Source: Placer County Health and Human Services

Telephone: 530-889-7312 Last EDR Contact: 12/13/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Semi-Annually

### RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/08/2010 Date Data Arrived at EDR: 12/09/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 50

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 12/09/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 12/08/2010 Date Data Arrived at EDR: 12/09/2010 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 42

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 12/09/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Quarterly

### SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/03/2010 Date Data Arrived at EDR: 01/20/2011 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 8

Telephone: 916-875-8406 Last EDR Contact: 01/10/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/03/2010 Date Data Arrived at EDR: 01/20/2011 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 8

Source: Sacramento County Environmental Management

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 01/10/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Quarterly

#### SAN BERNARDINO COUNTY:

**Hazardous Material Permits** 

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/08/2010 Date Data Arrived at EDR: 12/09/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 50

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Quarterly

#### SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/09/2010 Date Data Arrived at EDR: 09/15/2010 Date Made Active in Reports: 09/29/2010

Number of Days to Update: 14

Source: Hazardous Materials Management Division

Telephone: 619-338-2268 Last EDR Contact: 12/21/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Quarterly

#### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2010 Date Data Arrived at EDR: 11/16/2010 Date Made Active in Reports: 01/25/2011

Number of Days to Update: 70

Source: Department of Health Services

Telephone: 619-338-2209 Last EDR Contact: 01/31/2011

Next Scheduled EDR Contact: 05/16/2011 Data Release Frequency: Varies

#### **Environmental Case Listing**

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010 Date Data Arrived at EDR: 06/15/2010 Date Made Active in Reports: 07/09/2010

Number of Days to Update: 24

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371 Last EDR Contact: 12/21/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: No Update Planned

### SAN FRANCISCO COUNTY:

### Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Quarterly

#### **Underground Storage Tank Information**

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010 Date Data Arrived at EDR: 12/14/2010 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 37

Source: Department of Public Health Telephone: 415-252-3920

Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Quarterly

### SAN JOAQUIN COUNTY:

### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/29/2010 Date Data Arrived at EDR: 01/04/2011 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 16

Source: Environmental Health Department

Telephone: N/A

Last EDR Contact: 12/23/2010

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Semi-Annually

### SAN MATEO COUNTY:

### **Business Inventory**

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 11/22/2010 Date Data Arrived at EDR: 11/23/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 66

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Annually

#### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/17/2010 Date Data Arrived at EDR: 12/20/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 39

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 12/17/2010

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Semi-Annually

#### SANTA CLARA COUNTY:

### HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005 Date Data Arrived at EDR: 03/30/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

#### LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 05/29/2009 Date Data Arrived at EDR: 06/01/2009 Date Made Active in Reports: 06/15/2009

Number of Days to Update: 14

Source: Department of Environmental Health

Telephone: 408-918-3417 Last EDR Contact: 12/06/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: Annually

#### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/31/2009 Date Data Arrived at EDR: 08/31/2009 Date Made Active in Reports: 09/18/2009

Number of Days to Update: 18

Source: City of San Jose Fire Department

Telephone: 408-535-7694 Last EDR Contact: 02/14/2011

Next Scheduled EDR Contact: 05/30/2011 Data Release Frequency: Annually

### SOLANO COUNTY:

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/08/2010 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 42

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 12/06/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: Quarterly

#### **Underground Storage Tanks**

Underground storage tank sites located in Solano county.

Date of Government Version: 12/08/2010 Date Data Arrived at EDR: 12/29/2010 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 22

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 12/06/2010

Next Scheduled EDR Contact: 03/21/2011 Data Release Frequency: Quarterly

### SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/05/2011 Date Data Arrived at EDR: 01/07/2011 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 21

Source: Department of Health Services

Telephone: 707-565-6565 Last EDR Contact: 01/03/2011

Next Scheduled EDR Contact: 04/18/2011 Data Release Frequency: Quarterly

#### SUTTER COUNTY:

**Underground Storage Tanks** 

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/13/2010 Date Data Arrived at EDR: 12/14/2010 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 37

Source: Sutter County Department of Agriculture

Telephone: 530-822-7500 Last EDR Contact: 12/13/2010

Next Scheduled EDR Contact: 03/28/2011 Data Release Frequency: Semi-Annually

### **VENTURA COUNTY:**

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 10/26/2010 Date Data Arrived at EDR: 11/30/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 59

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Quarterly

#### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2009 Date Data Arrived at EDR: 10/05/2009 Date Made Active in Reports: 10/13/2009

Number of Days to Update: 8

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 01/10/2011

Next Scheduled EDR Contact: 04/25/2011 Data Release Frequency: Annually

## Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008 Date Data Arrived at EDR: 06/24/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 37

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 02/22/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Quarterly

#### Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/29/2010 Date Data Arrived at EDR: 12/20/2010 Date Made Active in Reports: 01/20/2011

Number of Days to Update: 31

Source: Environmental Health Division Telephone: 805-654-2813 Last EDR Contact: 12/20/2010

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Quarterly

### YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 10/05/2010 Date Data Arrived at EDR: 10/15/2010 Date Made Active in Reports: 11/18/2010

Number of Days to Update: 34

Source: Yolo County Department of Health

Telephone: 530-666-8646 Last EDR Contact: 01/10/2011

Next Scheduled EDR Contact: 04/11/2011 Data Release Frequency: Annually

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 09/11/2009

Number of Days to Update: 16

Source: Department of Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 12/01/2010

Next Scheduled EDR Contact: 03/07/2011 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/22/2010 Date Made Active in Reports: 08/26/2010

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 01/21/2011

Next Scheduled EDR Contact: 05/02/2011 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/28/2010 Date Data Arrived at EDR: 11/09/2010 Date Made Active in Reports: 12/17/2010

Number of Days to Update: 38

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 02/09/2011

Next Scheduled EDR Contact: 05/23/2011 Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 12/01/2009 Date Made Active in Reports: 12/14/2009

Number of Days to Update: 13

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 02/18/2011

Next Scheduled EDR Contact: 06/06/2011 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/19/2010 Date Made Active in Reports: 08/26/2010

Number of Days to Update: 38

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/29/2010

Next Scheduled EDR Contact: 03/14/2011 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/06/2010 Date Made Active in Reports: 07/26/2010

Number of Days to Update: 20

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/16/2010

Next Scheduled EDR Contact: 04/04/2011 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

#### STREET AND ADDRESS INFORMATION

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# **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

BAKER RANCH BAKE PARKWAY/DIMENSION DRIVE LAKE FOREST, CA 92630

#### TARGET PROPERTY COORDINATES

Latitude (North): 33.67320 - 33° 40′ 23.5″ Longitude (West): 117.678 - 117° 40′ 40.8″

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 437147.4 UTM Y (Meters): 3725934.8

Elevation: 752 ft. above sea level

#### **USGS TOPOGRAPHIC MAP**

Target Property Map: 33117-F6 EL TORO, CA

Most Recent Revision: 1982

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

#### **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

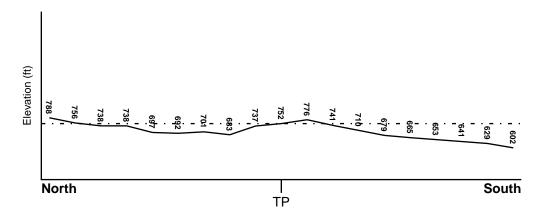
#### **TOPOGRAPHIC INFORMATION**

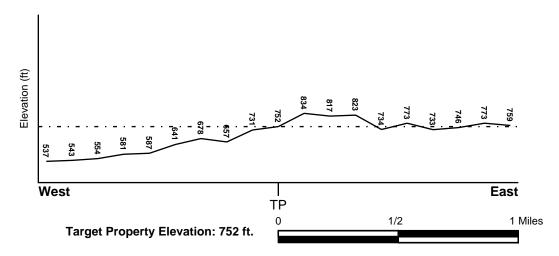
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

#### **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE** 

FEMA Flood

Target Property County ORANGE, CA

Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

06059C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

**NATIONAL WETLAND INVENTORY** 

NWI Electronic

**NWI Quad at Target Property** 

**Data Coverage** 

**EL TORO** 

YES - refer to the Overview Map and Detail Map

#### **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles Status: Not found

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 LOCATION
 GENERAL DIRECTION

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 The state of the

<sup>\*©1996</sup> Site—specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

#### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

#### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

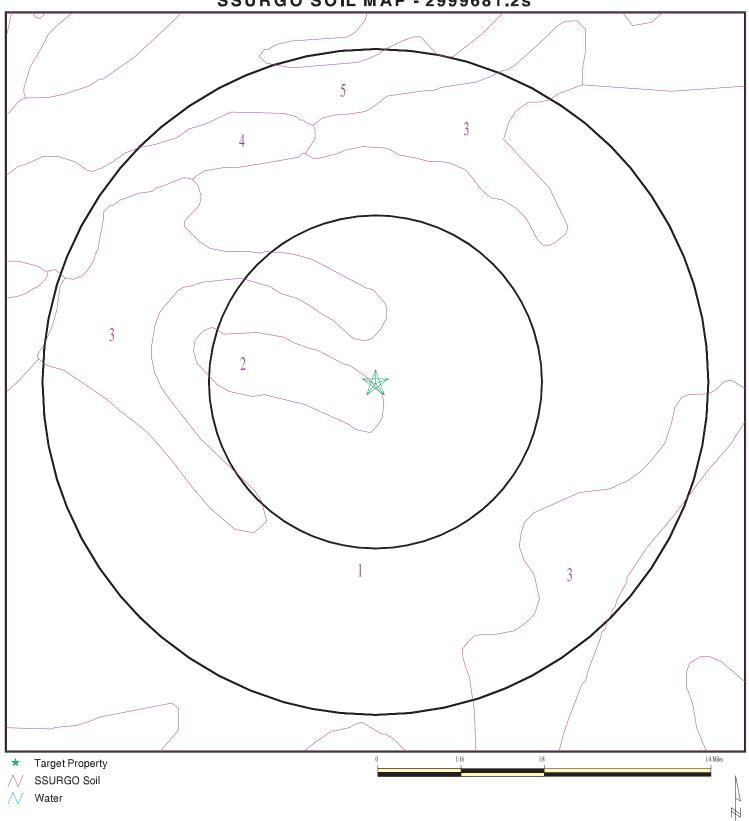
Era: Cenozoic Category: Stratifed Sequence

System: Tertiary Series: Eocene

Code: Te (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# **SSURGO SOIL MAP - 2999681.2s**



SITE NAME: Baker Ranch ADDRESS: Bake Parkway

Bake Parkway/Dimension Drive Lake Forest CA 92630 33.6732 / 117.6780 LAT/LONG:

CLIENT: Lexington Geoscience
CONTACT: Diane Henry
INQUIRY#: 2999681.2s
DATE: February 24, 2011 3:08 pm

#### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: CIENEBA

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information									
	Воц	ındary		Classi	fication	Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	Soil Texture Class AASHTO Group Unified Soil conductivity	conductivity micro m/sec	Soil Reaction (pH)			
1	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:		
2	7 inches	11 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:		

# Soil Map ID: 2

Soil Component Name: CALLEGUAS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information								
	Bou	ındary		Classi	fication	Saturated hydraulic conductivity micro m/sec			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil				
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:		
2	14 inches	18 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:		

Soil Map ID: 3

Soil Component Name: CAPISTRANO

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information								
	Вои	ındary	Soil Texture Class	Classi	fication	Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)		
Layer	Upper	Lower		AASHTO Group	Unified Soil				
1	0 inches	27 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6		
2	27 inches	64 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.6		

#### Soil Map ID: 4

Soil Component Name: CORRALITOS

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Воц	ındary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	9 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.6

	Soil Layer Information								
	Boundary			Classi	fication	Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec			
2	9 inches	59 inches	stratified sand to loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.6		

Soil Map ID: 5

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Boundary			Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	7 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

	Bou	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
2	7 inches	11 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	11 inches	20 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	20 inches	64 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	64 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silts.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

#### Soil Map ID: 6

Soil Component Name: MYFORD
Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

# **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Bou	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
2	11 inches	18 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	18 inches	27 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	27 inches	70 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

	Soil Layer Information								
	Boundary			Classi	fication	Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1		

Soil Map ID: 7

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Boundary			Classi	Classification		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

	Bou	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	oil conductivity	Soil Reaction (pH)
2	11 inches	18 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	18 inches	27 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silts.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	27 inches	70 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

#### **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

#### WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

#### FEDERAL USGS WELL INFORMATION

1 USGS3125355 1/4 - 1/2 Mile East

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

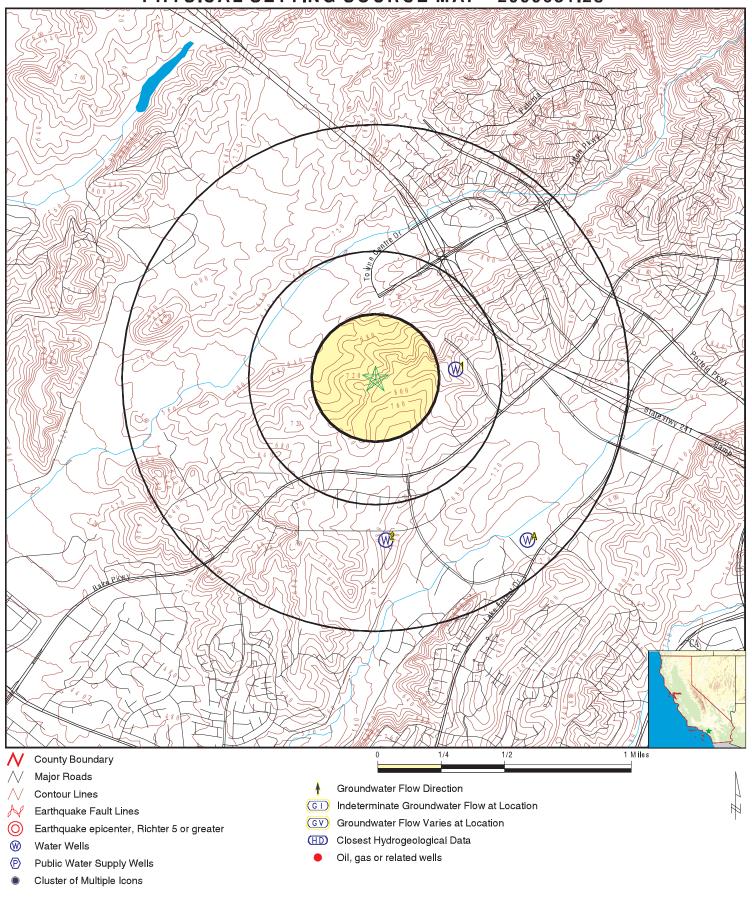
No PWS System Found

Note: PWS System location is not always the same as well location.

#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	6936	1/2 - 1 Mile South
A3	7045	1/2 - 1 Mile SE
A4	7043	1/2 - 1 Mile SE

# PHYSICAL SETTING SOURCE MAP - 2999681.2s



SITE NAME: Baker Ranch

ADDRESS: Bake Parkway/Dimension Drive

Lake Forest CA 92630 LAT/LONG: 33.6732 / 117.6780 CLIENT: Lexington Geoscience CONTACT: Diane Henry

INQUIRY#: 2999681.2s

DATE: February 24, 2011 3:08 pm

#### **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance

Elevation Database EDR ID Number

1 East FED USGS USGS3125355

1/4 - 1/2 Mile Higher

Agency cd: USGS Site no: 334025117402101

Site name: 006S008W01N001S

334025.3 EDR Site id: USGS3125355 Latitude: Longitude: 1174021.0 Dec lat: 33.67369444 Dec Ion: -117.6725 Coor meth: G Coor accr: 5 Latlong datum: NAD83

Coor accr:5Latlong datum:NAD83Dec latlong datum:NAD83District:06State:06County:059Country:USLand net:Not Re

Country: US Land net: Not Reported Location map: EL TORO Map scale: 24000

Location map. EL TORO Map scale: 24

Altitude: 860

Altitude method: Interpolated from topographic map

Altitude accuracy: 2.5

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: Not Reported Topographic: Hilltop

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 20001026 Mean greenwich time offset: PST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 1000 Hole depth: Not Reported

Source of depth data: logs
Project number: 470657500

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date:0000-00-00Peak flow data end date:0000-00-00Peak flow data count:0Water quality data begin date:2000-10-26

Water quality data end date:2000-10-26 Water quality data count: 1

Ground water data begin date: 0000-00-00 Ground water data end date: 0000-00-00

Ground water data count: 0

Ground-water levels, Number of Measurements: 0

2 South CA WELLS 6936

1/2 - 1 Mile Lower

Water System Information:

Prime Station Code: 06S/04W-09L04 S User ID: WAT FRDS Number: 3310012015 County: Riverside

District Number: 14 Station Type: WELL/AMBNT/MUN/INTAKE

Water Type: Well/Groundwater Well Status: Abandoned

Source Lat/Long: 333950.0 1174035.0 Precision: 100 Feet (one Second)

Source Name: SAN JACINTO WELL - ABANDONED

# **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

21140

3310012 System Number:

System Name: ELSINORE VALLEY MWD

Organization That Operates System:

P.O. BOX 3000

LAKE ELSINORE, CA 92531

Pop Served: 59200

Connections: LAKE ELSINORE VICINITY

A3 SE 1/2 - 1 Mile

Area Served:

**CA WELLS** 7045

Lower

Water System Information:

Prime Station Code: 06S/08W-12L02 S User ID: TEE FRDS Number: 3010091004 County: Orange

District Number:

WELL/AMBNT/MUN/INTAKE Station Type: Water Type: Well/Groundwater Well Status: Active Untreated 333950.0 1174000.0 Precision: 10 Feet (1/10 Second) Source Lat/Long:

Source Name: WELL 04 System Number: 3010091

LOS ALISOS WD System Name: Organization That Operates System:

P O BOX 699

**EL TORO 92630** 

Pop Served: 38000 Connections: 11645

Area Served: **EL TORO** 

SE **CA WELLS** 7043

1/2 - 1 Mile Lower

Water System Information:

Prime Station Code: 06S/08W-01N01 S User ID: TEE FRDS Number: 3010091005 County: Orange

WELL/AMBNT/MUN/INTAKE/SUPPLY District Number: 80 Station Type:

Water Type: Well/Groundwater Well Status: **Active Untreated** Source Lat/Long: 333950.0 1174000.0 Precision: 0.5 Mile (30 Seconds)

Source Name: WELL 07 System Number: 3010091 System Name: LOS ALISOS WD

Organization That Operates System:

P O BOX 699 **EL TORO 92630** 

Pop Served: 38000 Connections: 11645

Area Served: **EL TORO** 

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

#### AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92630	88	0

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92630

Number of sites tested: 2

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L Living Area - 1st Floor 0.400 pCi/L 100% 0% Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported Not Reported Basement Not Reported Not Reported Not Reported

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

#### OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

#### RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208 Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

#### STREET AND ADDRESS INFORMATION

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# APPENDIX B EDR Historical Reports

# **Baker Ranch**

Bake Parkway/Dimension Drive Lake Forest, CA 92630

Inquiry Number: 2999681.5

March 01, 2011

# The EDR Aerial Photo Decade Package



# **EDR Aerial Photo Decade Package**

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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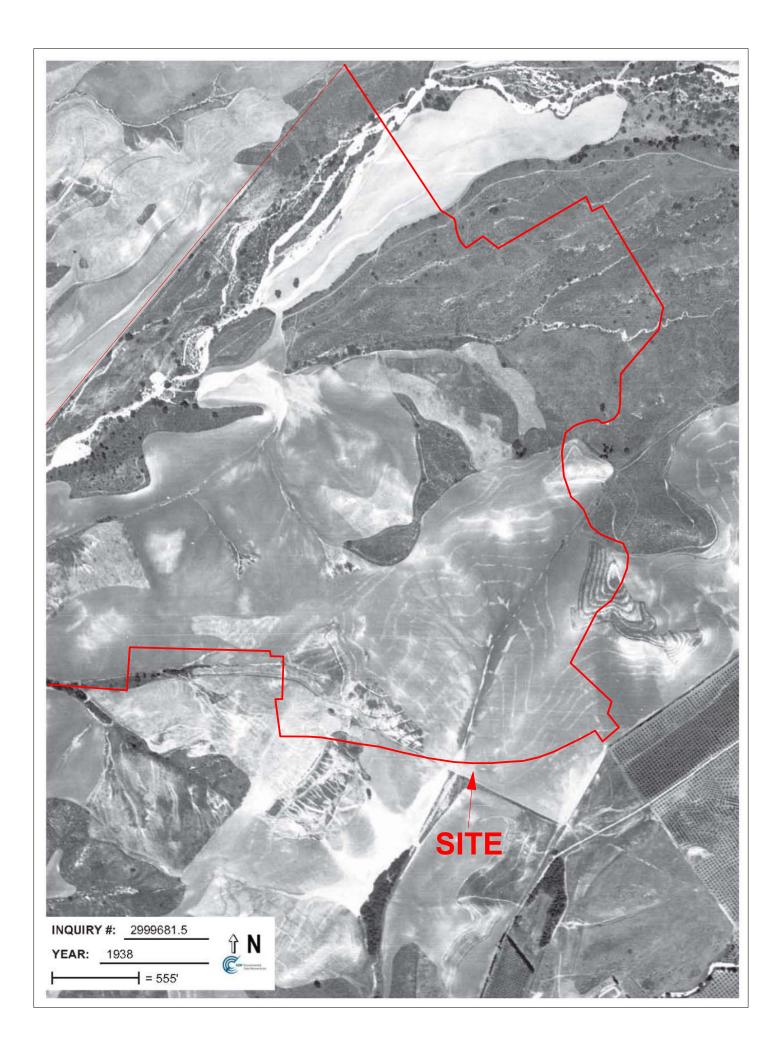
# **Date EDR Searched Historical Sources:**

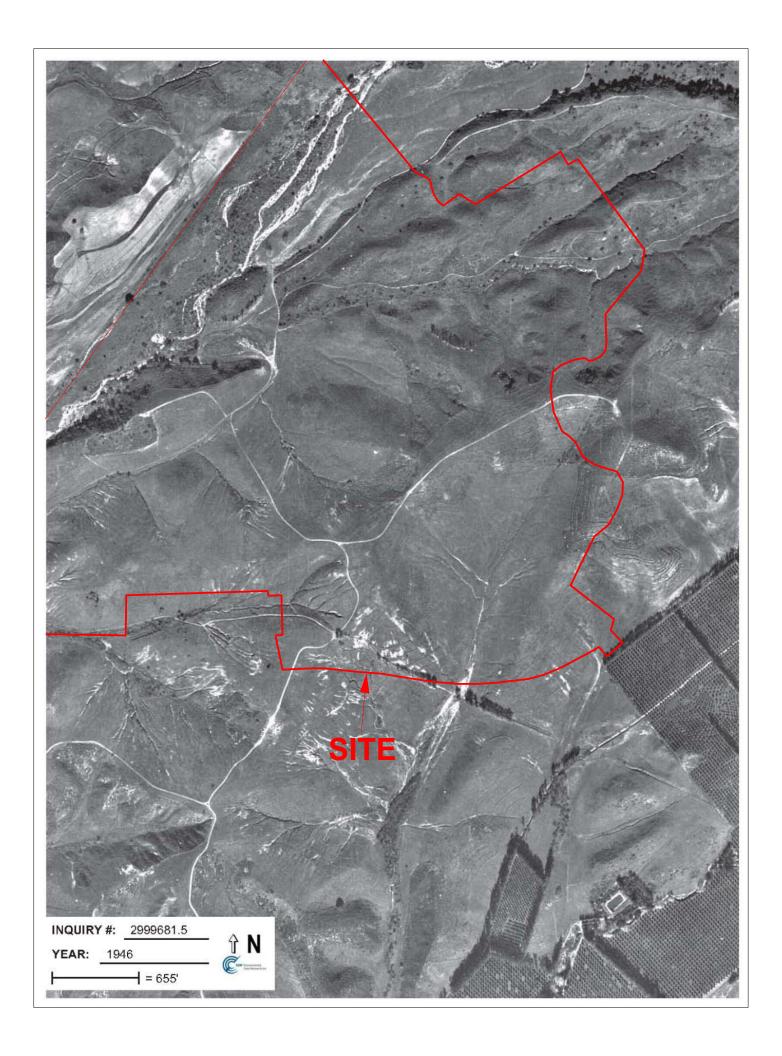
Aerial Photography March 01, 2011

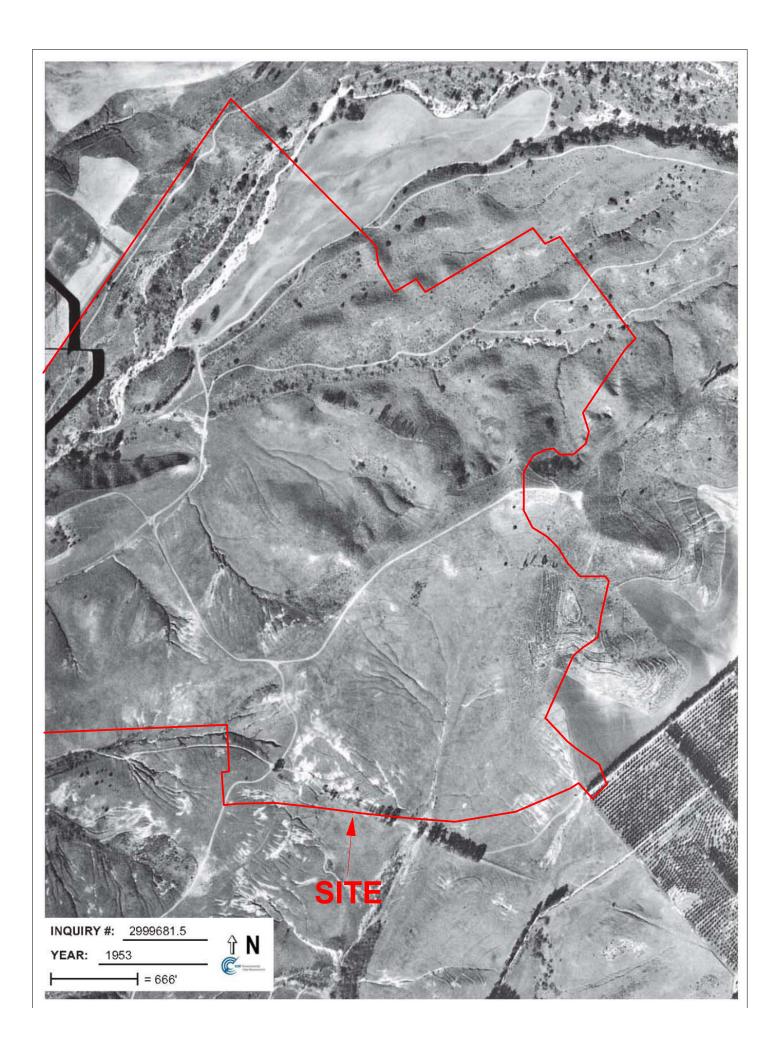
# **Target Property:**

Bake Parkway/Dimension Drive Lake Forest, CA 92630

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=555'	Flight Year: 1938	Laval
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1953	Aerial Photograph. Scale: 1"=666'	Flight Year: 1953	Pacific Air
1968	Aerial Photograph. Scale: 1"=480'	Flight Year: 1968	Teledyne
1977	Aerial Photograph. Scale: 1"=666'	Flight Year: 1977	Teledyne
1990	Aerial Photograph. Scale: 1"=666'	Flight Year: 1990	USGS
1994	Aerial Photograph. Scale: 1"=666'	Flight Year: 1994	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR

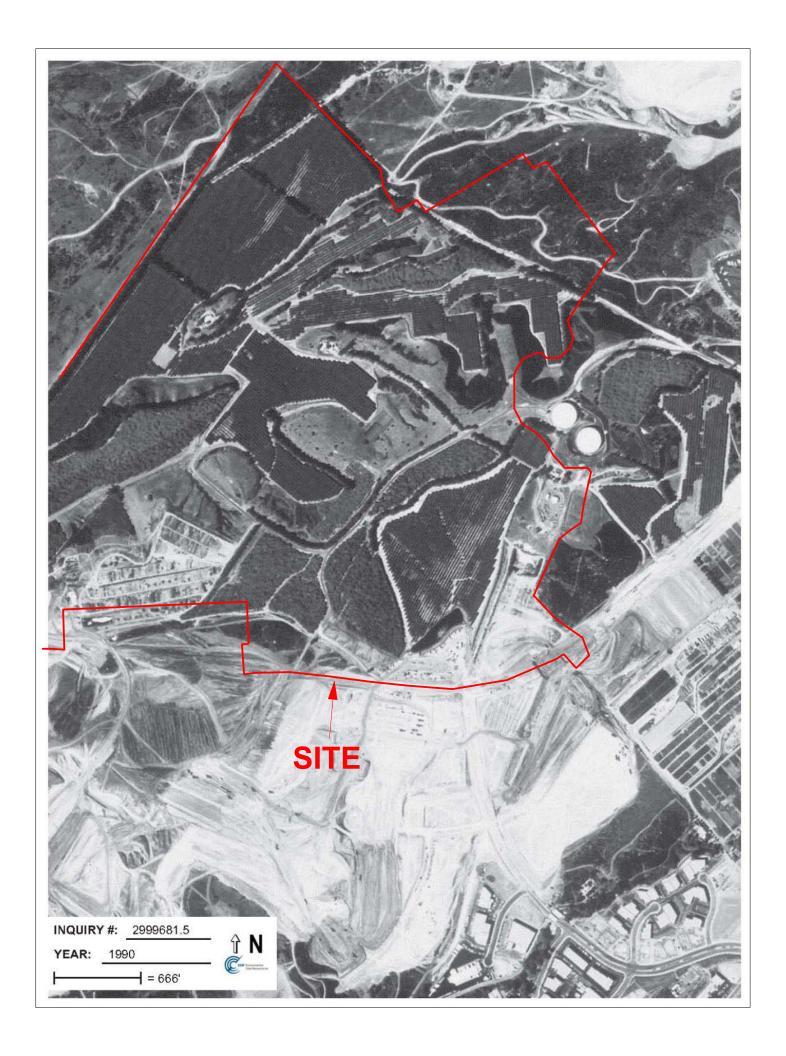


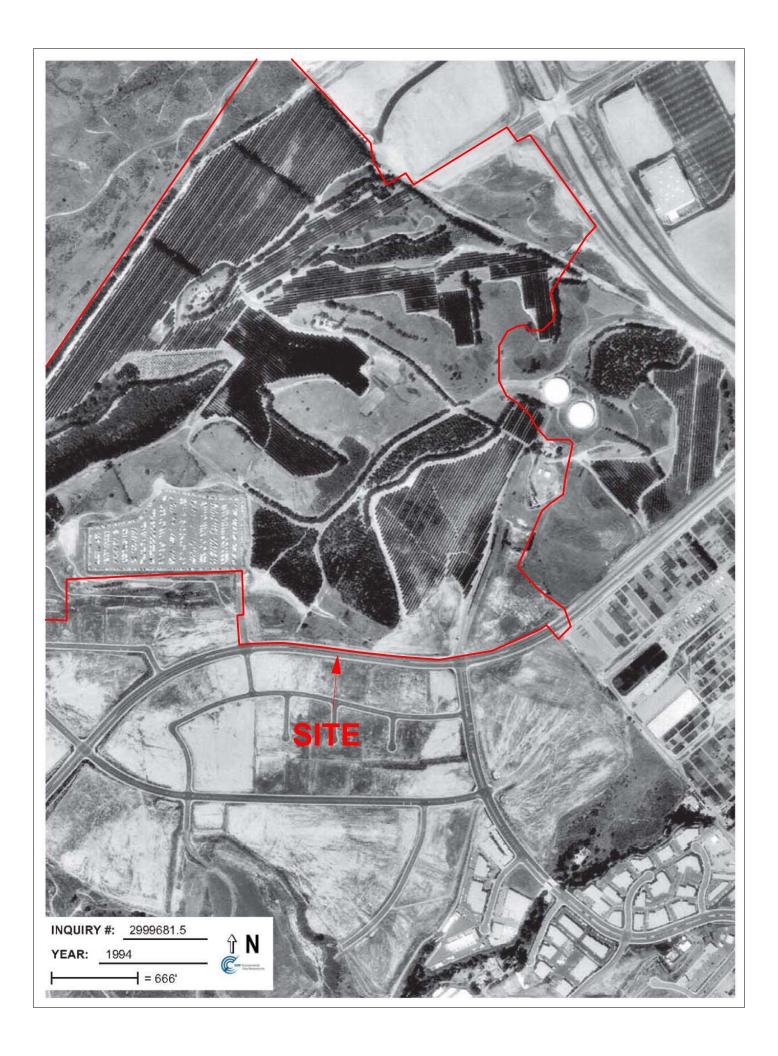
















# **Baker Ranch**

Bake Parkway/Dimension Drive Lake Forest, CA 92630

Inquiry Number: 2999681.3

February 24, 2011

# Certified Sanborn® Map Report



# **Certified Sanborn® Map Report**

2/24/11

Site Name: Client Name:

Baker Ranch Lexington Geoscience
Bake Parkway/Dimension Drive
Lake Forest, CA 92630 Laguna Hills, CA 92653

EDR Inquiry # 2999681.3 Contact: Diane Henry



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Lexington Geoscience were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

#### Certified Sanborn Results:

Site Name: Baker Ranch

Address: Bake Parkway/Dimension Drive

City, State, Zip: Lake Forest, CA 92630

**Cross Street:** 

P.O. # NA Project: NA

Certification # A691-4C69-B52A



Sanborn® Library search results Certification # A691-4C69-B52A

#### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

✓ University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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# **Baker Ranch**

Bake Parkway/Dimension Drive Lake Forest, CA 92630

Inquiry Number: 2999681.4

February 24, 2011

# **EDR** Historical Topographic Map Report



# **EDR Historical Topographic Map Report**

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

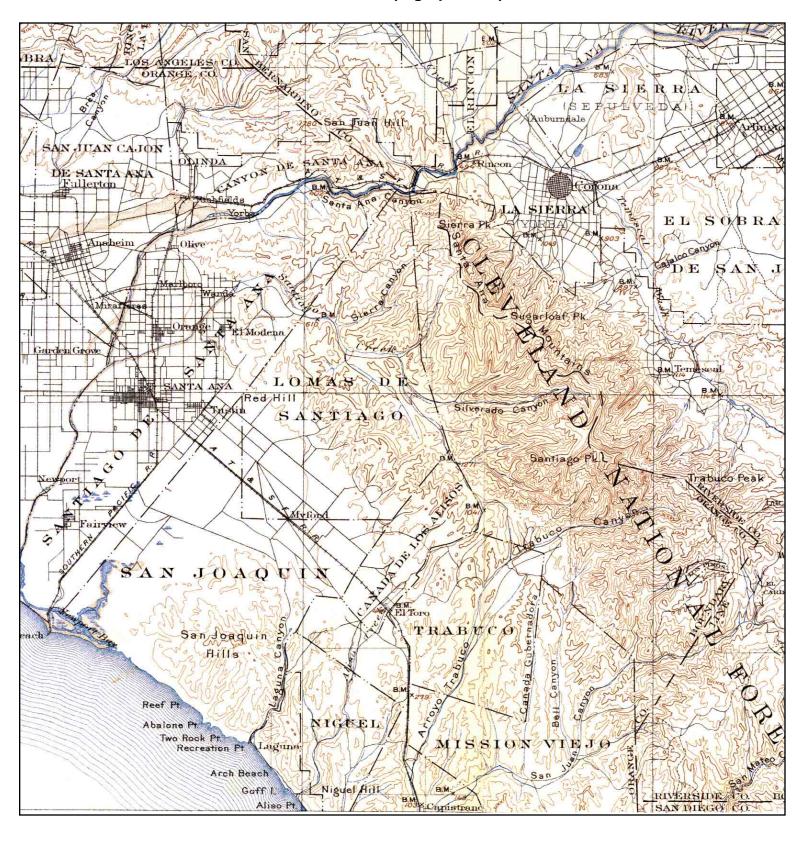
**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

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**TARGET QUAD** NAME:

**SOUTHERN CA SHEET 1** 

MAP YEAR: 1901

SERIES: 60

SCALE: 1:250000 SITE NAME: Baker Ranch

ADDRESS: Bake Parkway/Dimension Drive

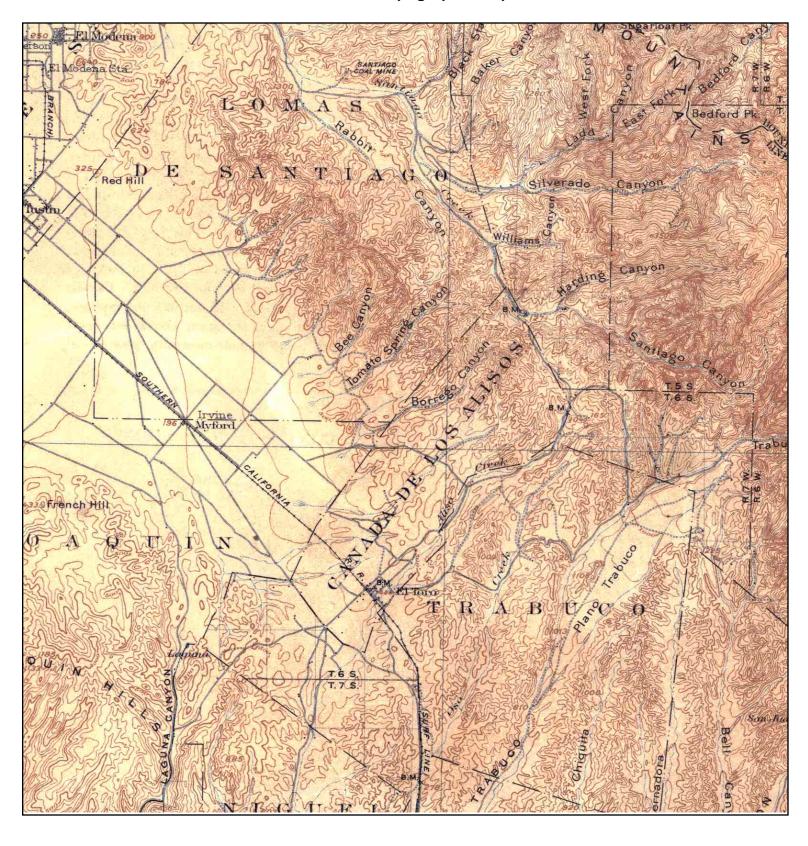
Lake Forest, CA 92630

LAT/LONG: 33.6732 / -117.678

Lexington Geoscience CLIENT:

CONTACT: Diane Henry INQUIRY#: 2999681.4

RESEARCH DATE: 02/24/2011





TARGET QUAD NAME: CORONA

MAP YEAR: 1902

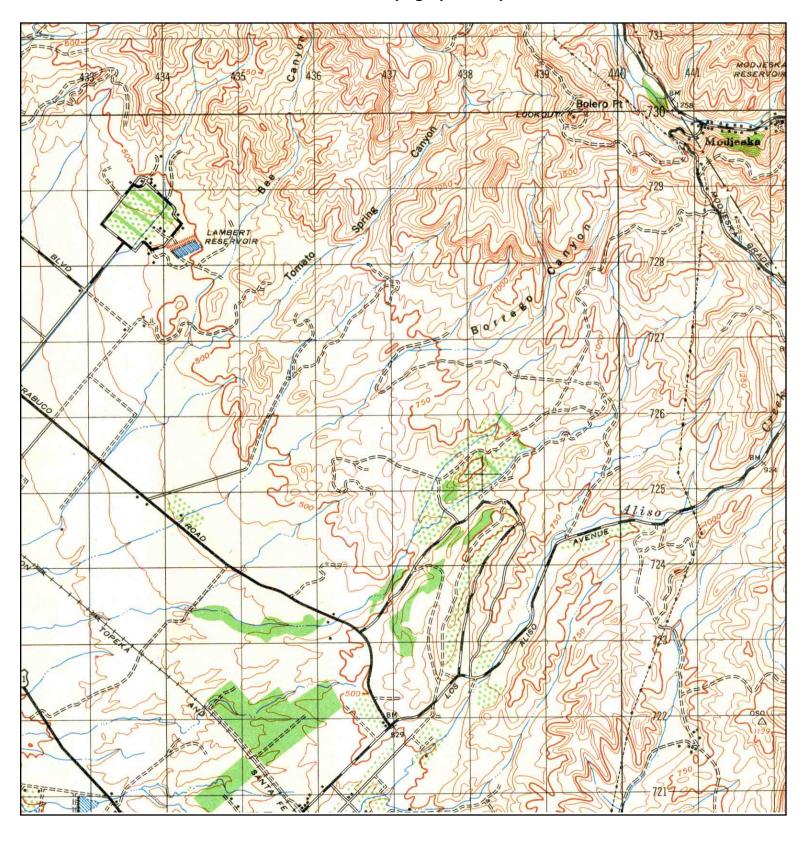
SERIES: 30 SCALE: 1:125000 SITE NAME: Baker Ranch

ADDRESS: Bake Parkway/Dimension Drive

Lake Forest, CA 92630

LAT/LONG: 33.6732 / -117.678

CLIENT: Lexington Geoscience





TARGET QUAD

NAME: SANTIAGO PEAK

MAP YEAR: 1942

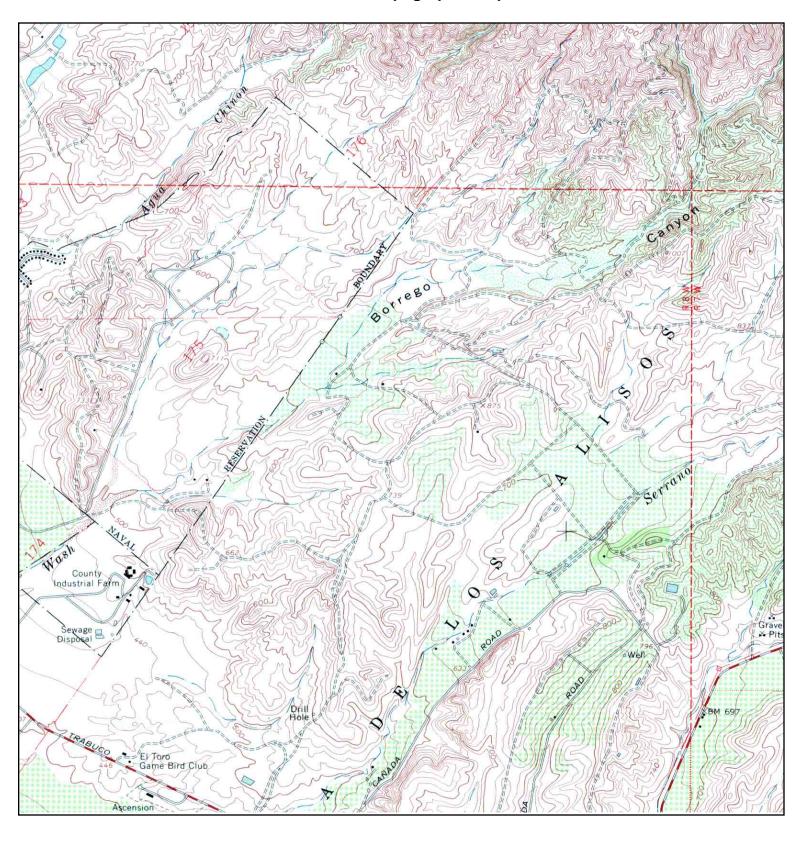
SERIES: 15 SCALE: 1:50000 SITE NAME: Baker Ranch

ADDRESS: Bake Parkway/Dimension Drive

Lake Forest, CA 92630

LAT/LONG: 33.6732 / -117.678

CLIENT: Lexington Geoscience





TARGET QUAD NAME: EL TORO

MAP YEAR: 1968

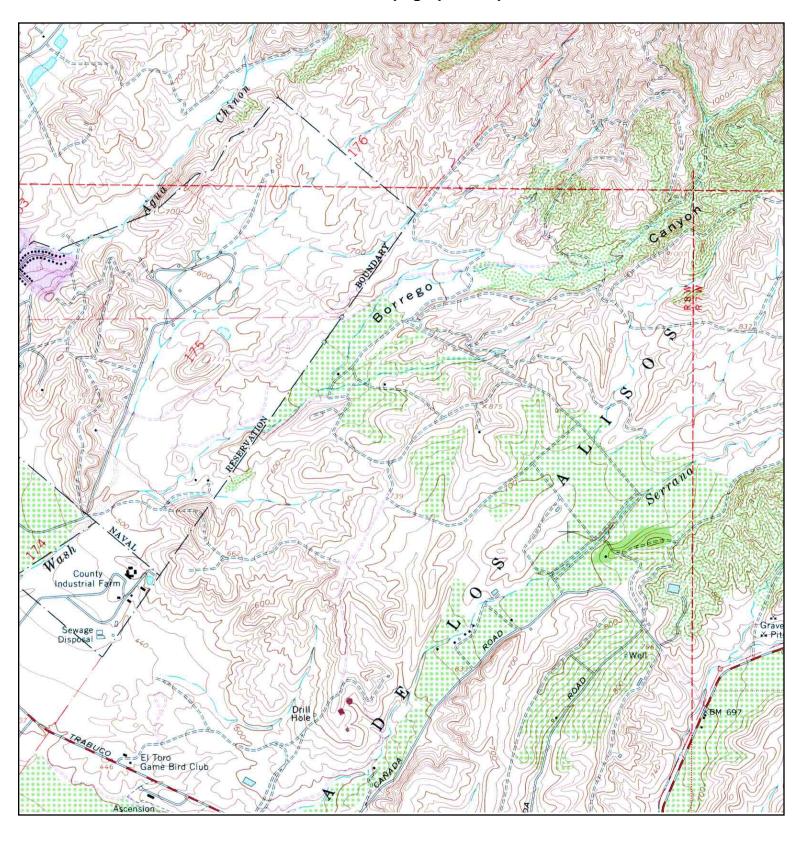
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Baker Ranch

ADDRESS: Bake Parkway/Dimension Drive

Lake Forest, CA 92630

LAT/LONG: 33.6732 / -117.678

CLIENT: Lexington Geoscience





TARGET QUAD

NAME: EL TORO

MAP YEAR: 1978

PHOTOREVISED:1968

SERIES: 7.5

1:24000

SCALE:

SITE NAME: Baker Ranch

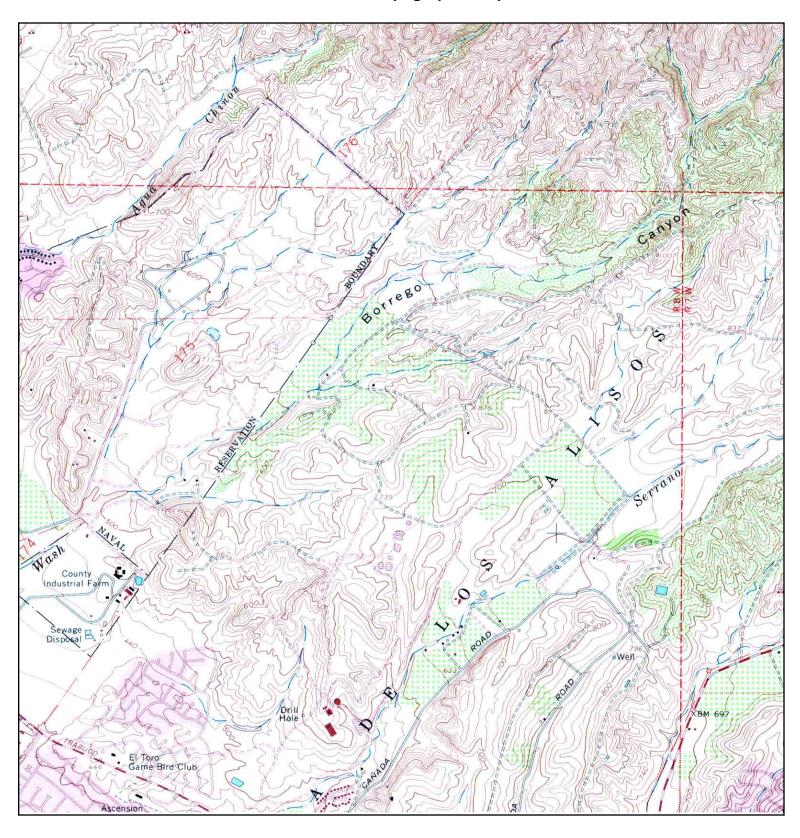
ADDRESS: Bake Parkway/Dimension Drive

Lake Forest, CA 92630 LAT/LONG: 33.6732 / -117.678 CONTACT: Diane Henry INQUIRY#: 2999681.4

Lexington Geoscience

INQUIRY#: 2999681.4 RESEARCH DATE: 02/24/2011

CLIENT:





TARGET QUAD

NAME: EL TORO

MAP YEAR: 1981

PHOTOREVISED:1968

SERIES: 7.5

1:24000

SCALE:

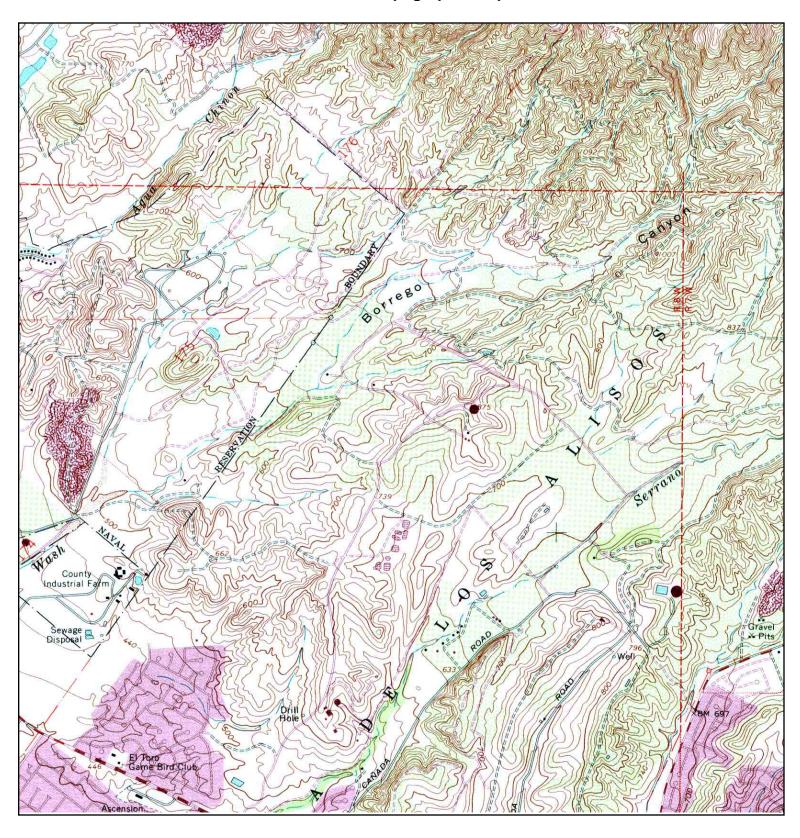
SITE NAME: Baker Ranch

ADDRESS: Bake Parkway/Dimension Drive

Lake Forest, CA 92630

LAT/LONG: 33.6732 / -117.678

CLIENT: Lexington Geoscience





TARGET QUAD

NAME: EL TORO

MAP YEAR: 1982

PHOTOREVISED:1968

SERIES: 7.5

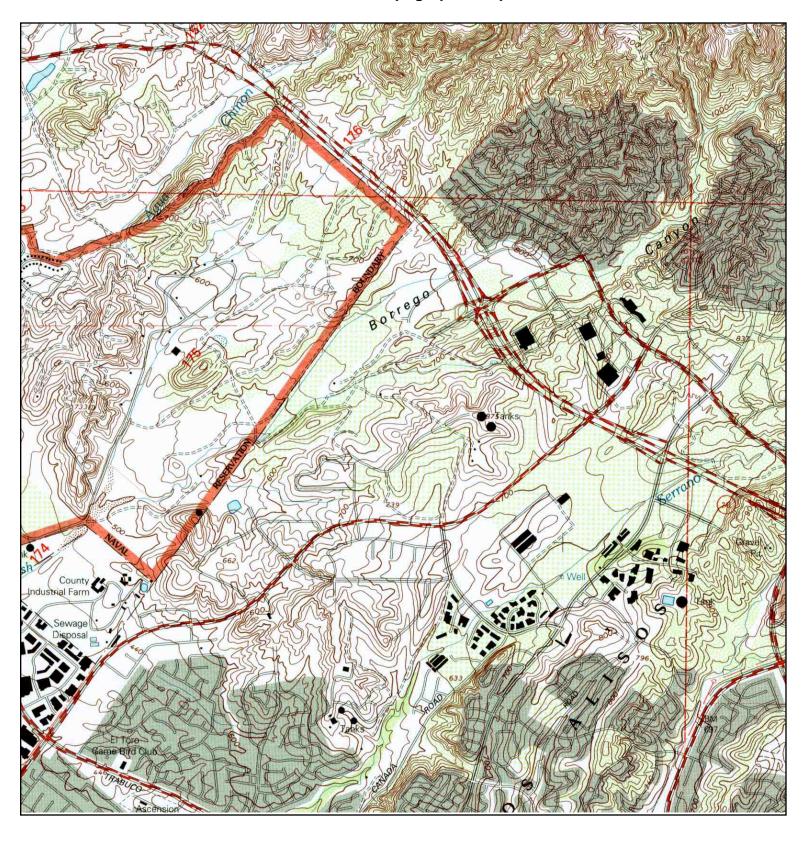
1:24000

SCALE:

SITE NAME: Baker Ranch

ADDRESS: Bake Parkway/Dimension Drive

Lake Forest, CA 92630 LAT/LONG: 33.6732 / -117.678 CLIENT: Lexington Geoscience





TARGET QUAD NAME: EL TORO

MAP YEAR: 1997

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Baker Ranch

ADDRESS: Bake Parkway/Dimension Drive

Lake Forest, CA 92630

LAT/LONG: 33.6732 / -117.678

CLIENT: Lexington Geoscience

APPENDIX C
Site Photographs



1. Overview of mid portion of Site looking north with Alton Parkway construction.



2. Overview of northern portion of Site looking north.



3. Overview of mid portion of Site looking Southwest with Alton Parkway construction.



4. Baker Ranch RV Storage looking South.



5. Agricultural chemical storage building in nursery.



7. Maintenance buildings - welding shed in rear.



6. Maintenance area and TruGreen office.



8. Gasoline storage tank in fuel storage area in nursery maintenance area.



9. Diesel tank in fuel storage area.



11. Lubricating oil in fuel storage area.



10. Used oil storage area.



12. Nursery growing operations.



13. Boxed trees in nursery growing operations.



15. Residence near central portion of Site.



14. Typical wind machine with internal combustion engine.



16. Storage area near residence.



17. Additional view of storage area near residence.



18. Borrego Wash at northeast corner of Site looking south.

# APPENDIX D Selected Documentation

# DATA GAP WORKSHEET

Project Name: Baker Ranch Development - Lake Forest, CA Date: March 2011

REQUIREMENT			ATU:	S	OTHER SOURCES OF INFORMATION	SDG*		
Category			Complete	Incomplete	Reference or Sources Used	Blank if None		
User Responsibilities			_			,		
Title Records	lacksquare	I L	_	Ľ	Not provided for this review			
Environmental Leins or Activity Use Limitations	Ш	L		┕	Interviews, questionnaires, database report			
Specialized Knowledge and Information	Ш	L	<b>'</b>		Interviews, questionnairs			
Environmental Agency Records Review			_	_				
Standard Environmental Records Source Information	Ш	L		┕	EDR Standard Report Package			
Discretionary Environmental Records Information		L			Geotracker and Envirostar online records, web research, Former Marine Corps El Toro Public Data Repository			
Physical Setting		_						
Geologic Information		L	<b>~</b>		Reports on Geotracker for cases in vicinity			
Groundwater Information		L	<b>~</b>		Reports on Geotracker for cases in vicinity			
Historical Records Review			_					
Property History to 1940		L	<b>~</b>		Interviews, RSF Association and Historical Society			
Property History to First Developed Use		L	<b>~</b>					
Aerial Photos			<b>~</b>		Provided by EDR			
Topographic Maps			<b>~</b>		Provided by EDR			
Sanborn Maps			<b>~</b>		Provided by EDR			
City Directory			<b>~</b>		Provided by EDR			
Site Reconnaissance								
Observations - exterior spaces		ΙL	<b>~</b>		Site walk			
Observations - interior speaces		ΙL	<b>~</b>		Site walk - representative interiors observed			
Current Uses of Site		ΙL	<b>~</b>		Open Space, nursery, two residences.			
Observations - contiguous properties		ΙL	<b>~</b>		Site walk			
Current Uses of contiguous properties			~		Site walk			
Interviews		_						
Current Owner or Key Site Manager			~		Interview, questionnaire, and follow-up questions			
User of ESA			~		Interview, questionnaire, and follow-up questions			
Non-Residential Major Occupants			~		Nursery operator			
Occupants with operations likely to indicate RECs			~		Site Chief Engineer interview and follow-up questions.			
Past owners, operator, and occupants			$\Box$	~	Not available			
If Site is abandoned, neighboring owners or occupants	~		$\Box$					
State or local government officials			~		County Building, Lake Forest Building, County Environmental Health, Santa Ana RWQCB, DTSC.			
Comments and Explanations			-	•				
Based on Site history from other sources, Title Report unlikely to provide significant information.								
Site history reasonably documented by other historical resources and interviews.								
SDG* = Significant Data Gaps. List Identified SDGs in Report								



# **ESA USER QUESTIONNAIRE**

Phase I Environmental Site Assessment ASTM Standard 1527-05

Site: Baker Ranch Lake Forest, CA							
In order to qualify for one of the Landowner Liability Protections (LLPs)35 offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), 36 the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.							
Note that this standard requires the user of the Environmental Site Assessment (ESA) to search for environmental cleanup liens, consider the relationship of the purchase price relative to fair market value of a property that is not contaminated, consider any specialized knowledge or experience that may be relevant to potential contamination, and share commonly known or reasonably ascertainable information about the property with the environmental professional. This questionnaire is to facilitate this process.							
(Note: double-click boxes to check or uncheck)							
(1) Are you aware of any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?							
No  □ Yes (if yes, please describe)							
(2) Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?							
(3) As the user of this ESA do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?							
No							

(4) Does the purchase price being paid for this Site reasonably reflect the fair market value of the Site? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Site? NOT APPLICABLE									
☐ No  ☐ Yes (if yes, please describe)									
To answer the first question, yes, the purchase price reflected fair market price when negotiated. There was no consequential contamination noted at the time of initial purchase.									
(5) Are you aware of commonly known or <i>reasonably ascertainable</i> information about the Site that would help the <i>environmental professional</i> to identify conditions indicative of releases or threatened releases? For example, as <i>user</i> ,									
(a.) Do you know the past uses of the Site?									
☐ No  ☐ Yes (if yes, please describe)									
Agriculture (citrus & avocado groves), nursery operations, RV storage, apiaries									
(b.) Do you know of specific chemicals that are present or once were present at the Site?									
☐ No  ☐ Yes (if yes, please describe)									
As indicated in reports by McLaren & Hart in 1999									
(c.) Do you know of spills or other chemical releases that have taken place at the Site?									
No									
(d.) Do you know of any environmental cleanups that have taken place at the Site?									
☐ No  ☐ Yes (if yes, please describe)									
Removal of building containing asbestos in 2001 as well as septic tanks.									
(6) As the <i>user</i> of this <i>ESA</i> , based on your knowledge and experience related to the Site are there any <i>obvious</i> indicators that point to the presence or likely presence of contamination at the Site?									
No									

#### Additional Information

This information is intended to assist the *environmental professional* conducting the ESA, but is not necessarily required to qualify for one of the *LLPs*. The information includes:

(a) Why is the Phase I being conducted?

Requested by City of Lake Forest in connection with Area Plan and TTM processing.

(b) What is the type of property and type of property transaction, for example, sale, purchase, exchange, etc.?

Essentially undeveloped land. Application for Area Plan & TTM for residential development.

(c) What is the complete and correct address for the Site (a map or other documentation showing Site location and boundaries is helpful),

The site is bordered by Commercentre Drive, Borrego Wash, 241 Toll Road, Rancho Parkway and Bake Parkway. Alton Parkway bisects the site.

(d) the scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527 are to be considered),

Phase I as required for CEQA compliance.

(e) Please identify all parties who will rely on the Phase I report.

Shea/Baker Ranch Associates, LLC City of Lake Forest Potential future lenders & purchasers

(f) Please identify the Site contact and how the contact can be reached,

Previously identified.

(g) Please indicate any other knowledge or experience with the Site that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the Site and its environmental condition) and any environmental permits such as air quality management district, stormwater, wastewater, underground storage tanks or aboveground tanks.

Phase I and Phase II reports conducted by McLaren & Hart in 1999. SWPPP on file.

(g) Can you provide a recent Chain of Title report for the Site?

Do you need a copy of the Prelim Title Report?

This questionnaire was completed by:

Name: Brooke Doi with assistance from Gene Spindler

Signature: Blue Doi Date: March 10, 2011

Title: Community Development Manager

Please describe the length of and nature of your experience/knowledge of the Site.

Gene has been involved on the site since 1999 and has worked with many of the tenants that are currently on the site, in particular the nursery.

Mission Viejo, CA 92691-5309

SHEA BUSINESS PROPERTIES

DATE OF SURVEY: MARCH 1, 1999

TITLE REPORT:

26137 La Paz Road

THIS SURVEY WAS BASED ON THE DESCRIPTION FURNISHED IN FIRST AMERICAN TITLE INSURANCE COMPANY PRELIMINARY REPORT NO. OR-9826181, DATED DECEMBER

THE FOLLOWING ITEMS ARE PER SAID TITLE REPORT:

1. THROUGH 3. REFER TO TAXES.

4. THE PROPERTY COVERED HEREIN LIES WITHIN THE BOUNDARIES OF COMMUNITY FACILITIES DISTRICT NO. 1 OF IRVINE RANCH WATER DISTRICT. AS DISCLOSED BY AN ASSESSMENT DISTRICT MAP FILED IN BOOK 32, PAGE 37 OF ASSESSMENT MAPS, RECORDED DECEMBER 2, 1986 AS INSTRUMENT NO. 86-591442 OF OFFICIAL

AND AS DISCLOSED BY AN ASSESSMENT DISTRICT MAP FILED IN BOOK 33, PAGE 31 OF ASSESSMENT MAPS, RECORDED JANUARY 29, 1987 AS INSTRUMENT NO. 87-051901 OF OFFICIAL RECORDS.

5. THE PROPERTY COVERED HEREIN LIES WITHIN THE BOUNDARIES OF COMMUNITY FACILITIES DISTRICT NO. 87-6, AS DISCLOSED BY AN ASSESSMENT DISTRICT MAP FILED IN BOOK 41, PAGE 13 OF ASSESSMENT MAPS, RECORDED MAY 29, 1988, AS INSTRUMENT NO. 88-251183 OF OFFICIAL RECORDS.

NOTE 1: AN INSTRUMENT ENTITLED "NOTICE OF SPECIAL TAX AUTHORIZATION FOR COMMUNITY FACILITIES DISTRICT NO. 87-6 OF THE COUNTY OF ORANGE (BAKER RANCH)" RECORDED JULY 26, 1988. AS INSTRUMENT NO. 88-360585 OF OFFICIAL RECORDS: REFERENCE BEING MADE TO THE RECORD THEREOF FOR FULL

NOTE 2: AN INSTRUMENT ENTITLED "NOTICE OF SPECIAL TAX LIEN FOR COMMUNITY FACILITIES DISTRICT NO. 87-6 OF THE COUNTY OF ORANGE (BAKER RANCH)" RECORDED AUGUST 2, 1990, AS INSTRUMENT NO. 90-410822 OF OFFICIAL RECORDS; REFERENCE BEING MADE TO THE RECORD THEREOF FOR FULL PARTICULARS.

THE FOLLOWING AFFECT PARCEL A:

6. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED DECEMBER 31, 1958, IN BOOK 4533, PAGES 588, 590 AND 593 OF OFFICIAL RECORDS, AND IN DEED RECORDED JANUARY 20, 1961, IN BOOK 5598, PAGE 393 OF OFFICIAL RECORDS. IN FAVOR OF: EL TORO COMPANY, A PARTNERSHIP.

7. THE RECITAL ON THE MAP FILED IN BOOK 143, PAGES 11 TO 16 OF PARCEL MAPS, WHICH STATES AS FOLLOWS: "THAT CONVEYANCE OF TITLE OF ANY OF THE

FOR: ROADS, PUBLIC UTILITY AND INCIDENTAL PURPOSES. EASEMENT IS BLANKET IN NATURE

PARCELS HEREIN SHALL INCLUDE A 40' FOOT WIDE VEHICULAR ACCESS EASEMENT TO AN EXISTING PUBLIC ROAD."

8. THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "BAKER RANCH DEVELOPMENT AGREEMENT, COUNTY OF ORANGE," EXECUTED BY

CONNECTION FEES," EXECUTED BY AND BETWEEN LOS ALISOS WATER DISTRICT AND FIRST AMERICAN TRUST COMPANY, A CALIFORNIA CORPORATION, TRUSTEE UNDER

AND BETWEEN FIRST AMERICAN TRUST COMPANY AND THE COUNTY OF ORANGE, RECORDED JUNE 3, 1988, AS INSTRUMENT NO. 88-263204 OF OFFICIAL RECORDS. 9. THE TERMS PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "AGREEMENT WITH BAKER RANCH WAIVER/DEFERRAL OF WATER AND SEWER

10. A CONSTRUCTION DEED OF TRUST RECORDED SEPTEMBER 24, 1996, AS INSTRUMENT NO. 19960485862 OF OFFICIAL RECORDS.

11. A DEED OF TRUST RECORDED SEPTEMBER 24, 1996, AS INSTRUMENT NO. 19960485863 OF OFFICIAL RECORDS.

TRUST NO. 82-0135-00, RECORDED AUGUST 6, 1993, AS INSTRUMENT NO. 93-0528730 OF OFFICIAL RECORDS.

12. A DEED OF TRUST RECORDED SEPTEMBER 24, 1996, AS INSTRUMENT NO. 19960485864 OF OFFICIAL RECORDS

13. A FINANCING STATEMENT RECORDED SEPTEMBER 26, 1996, AS INSTRUMENT NO. 19960491737 OF OFFICIAL RECORDS.

14. THE RECITAL ON SAID PARCEL MAP THAT THE PARCEL SHOWN ON THIS MAP IS PART OF TENTATIVE TRACT MAP NO. 13336, THE APPLICABLE CONDITIONS OF APPROVAL OF SAID TENTATIVE TRACT MAP SHALL BE MET UPON THE DEVELOPMENT OF THE FUTURE LOTS OF TENTATIVE TRACT 13336.

15. THE RECITAL ON SAID PARCEL MAP THAT THE LAND EMBRACED BY THIS MAP IS SUBJECT TO OVERFLIGHT, SIGHT AND SOUND OF AIRCRAFT OPERATING FROM EL TORO MARINE CORPS AIR STATION.

THE FOLLOWING AFFECT PARCEL B:

SHOWN HEREON AS

16. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED OCTOBER 9, 1928, IN BOOK 208, PAGE 81 OF OFFICIAL RECORDS, IN FAVOR OF: THE WHITING COMPANY.

FOR: INGRESS, EGRESS AND INCIDENTAL PURPOSES. SHOWN HEREON AS (16)

17. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED NOVEMBER 28, 1936, IN BOOK 855, PAGE 318 OF OFFICIAL RECORDS, IN FAVOR OF: THE WHITING COMPANY. FOR: INGRESS, EGRESS AND INCIDENTAL PURPOSES. SHOWN HEREON AS (17)

18. PERMANENT NON-EXCLUSIVE EASEMENTS AFFECTING ALL ROADS NOW IN EXISTENCE ON SAID LAND AND OVER ALL EXISTING EASEMENTS FOR UTILITY PURPOSES ON SUCH PROPERTY FOR THE PURPOSE OF UTILITIES AND OF INGRESS AND EGRESS. IN DEED RECORDED DECEMBER 31, 1958, IN BOOK 4533, PAGES 588, 590 AND 593 OF OFFICIAL RECORDS, AND IN DEED RECORDED JANUARY 20. 1961. IN BOOK 5598, PAGE 393 OF OFFICIAL RECORDS. EASEMENT IS BLANKET IN NATURE.

19. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED APRIL 7, 1972, IN BOOK 10071, PAGE 684 OF OFFICIAL RECORDS, IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY FOR: METAL TOWER, POLES AND/OR OTHER STRUCTURES, WIRES, CABLES, INCLUDING GROUND WIRES AND COMMUNICATION CIRCUITS AND INCIDENTAL PURPOSES.

NOTE: A PORTION OF THE ABOVE EASEMENT WAS QUITCLAIMED BY A PARTIAL QUITCLAIM DEED RECORDED AUGUST 8, 1991, AS INSTRUMENT NO. 91-422996 OF OFFICIAL RECORDS.

20. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED NOVEMBER 21, 1979, IN BOOK 13404, PAGE 1021 OF OFFICIAL RECORDS,

IN FAVOR OF: LOS ALISOS WATER DISTRICT, A CALIFORNIA WATER DISTRICT. FOR: WATER, SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (29)

21. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED NOVEMBER 21, 1979, IN BOOK 13404, PAGE 1049 OF OFFICIAL RECORDS, IN FAVOR OF: LOS ALISOS WATER DISTRICT, A CALIFORNIA WATER DISTRICT. FOR: WATER, SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (21)

22. THE RECITAL ON THE MAP FILED IN BOOK 143, PAGES 11 TO 16 OF PARCEL MAPS, WHICH STATES AS FOLLOWS: "THAT CONVEYANCE OF TITLE OF ANY OF THE

PARCELS HEREIN SHALL INCLUDE A 40' FOOT WIDE VEHICULAR ACCESS EASEMENT TO AN EXISTING PUBLIC ROAD."

23. THE RECITAL ON THE MAP FILED IN BOOK 143, PAGES 11 TO 16 OF PARCEL MAPS, WHICH STATES AS FOLLOWS: "A PORTION OF THE LAND EMBRACED BY THIS PARCEL MAP IS SUBJECT TO OVERFLIGHT, SIGHT AND SOUND OF AIRCRAFT OPERATING FROM EL TORO MARINE CORPS AIR STATION."

24. THE TERMS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "IRREVOCABLE OFFER TO CONVEY BORREGO OPEN SPACE CORRIDOR" EXECUTED BY TICOR TITLE INSURANCE COMPANY OF CALIFORNIA, A CALIFORNIA CORPORATION, WHICH ACQUIRED TITLE AS TITLE INSURANCE AND TRUST COMPANY, A CALIFORNIA CORPORATION, AND THE COUNTY OF ORANGE, RECORDED AUGUST 3, 1983, AS INSTRUMENT NO. 83-335023 OF OFFICIAL RECORDS.

NOTE: SAID OFFER WAS ACCEPTED FOR PURPOSES OF RECORDATION ONLY. SHOWN HEREON AS (24)

25. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED NOVEMBER 19, 1984, AS INSTRUMENT NO. 84-485828 OF OFFICIAL RECORDS,

IN FAVOR OF: LOS ALISOS WATER DISTRICT, A CALIFORNIA WATER DISTRICT. FOR: WATER, SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (25)

26. THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "BAKER RANCH DEVELOPMENT AGREEMENT, COUNTY OF ORANGE," EXECUTED BY AND BETWEEN FIRST AMERICAN TRUST COMPANY AND THE COUNTY OF ORANGE, RECORDED JUNE 3, 1988, AS INSTRUMENT NO. 88-263204 OF OFFICIAL RECORDS.

27. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED JANUARY 18, 1989, AS INSTRUMENT NO. 89-030148 OF OFFICIAL RECORDS,

IN FAVOR OF: LOS ALISOS WATER DISTRICT. FOR: WATER AND SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (2.7)

28. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED JULY 18, 1990, AS INSTRUMENT NO. 90-377530 OF OFFICIAL RECORDS, IN FAVOR OF: IRVINE RANCH WATER DISTRICT.

FOR: WATER AND SEWER MAINS, APPURTENANT FACILITIES AND INCIDENTAL PURPOSES. SHOWN HEREON AS (28)

29. A TEMPORARY EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED JULY 18, 1990, AS INSTRUMENT NO. 90-378041 OF OFFICIAL RECORDS, IN FAVOR OF: LOS ALISOS WATER DISTRICT. FOR: WATER AND SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (29)

30. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED AUGUST 15, 1990, AS INSTRUMENT NO. 90-431754 OF OFFICIAL RECORDS, IN FAVOR OF: LOS ALISOS WATER DISTRICT.

FOR: WATER AND SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (30)

31. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED AUGUST 15, 1990, AS INSTRUMENT NO. 90-431755 OF OFFICIAL RECORDS, IN FAVOR OF: LOS ALISOS WATER DISTRICT.

FOR: WATER AND SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (31)

FORTH IN AN INSTRUMENT RECORDED AUGUST 6, 1993, AS INSTRUMENT NO. 93-0529677 OF OFFICIAL RECORDS.

32. AN IRREVOCABLE OFFER TO CONVEY TO THE COUNTY OF ORANGE, AN EASEMENT FOR STREET AND HIGHWAY PURPOSES OVER A PORTION OF THE LAND, RECORDED APRIL 1, 1992, AS INSTRUMENT NO. 92-203067 OF OFFICIAL RECORDS. SHOWN HEREON AS

NOTE: THE ABOVE OFFER WAS ACCEPTED BY RESOLUTION RECORDED AUGUST 4, 1992, AS INSTRUMENT NO. 92-521261 OF OFFICIAL RECORDS.

33. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED AUGUST 6, 1993, AS INSTRUMENT NO. 93-0527509 OF OFFICIAL RECORDS, IN FAVOR OF: LOS ALISOS WATER DISTRICT.

FOR: WATER AND SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (33) 34. AN AGREEMENT WITH BAKER RANCH WAIVER/DEFERRAL OF WATER AND SEWER CONNECTION FEES, DATED JULY 1, 1993, EXECUTED BY AND BETWEEN LOS

ALISOS WATER DISTRICT AND FIRST AMERICAN TRUST COMPANY, A CALIFORNIA CORPORATION, TRUSTEE UNDER TRUST NO. 82-0135-00, RECORDED AUGUST 6, 1993, AS INSTRUMENT NO. 93-0528730 OF OFFICIAL RECORDS. 35. AN EASEMENT FOR EITHER OR BOTH UNDERGROUND LINES, CONDUITS AND INCIDENTAL PURPOSES, INCLUDING ABOVE-GROUND APPURTENANT FIXTURES, AS SET

IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY. SHOWN HEREON AS (35) 36. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED NOVEMBER 22, 1994, AS INSTRUMENT NO. 94-0674639 OF OFFICIAL RECORDS.

IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION. FOR: ELECTRICAL SUPPLY SYSTEMS, COMMUNICATIONS SYSTEMS AND INCIDENTAL PURPOSES. EASEMENT IS SHOWN GRAPHICALLY ONLY, AS ORIGINATING AT POLE NO. 1673355E, AND RUNNING NORTHEASTERLY. NO WIRES RUN NORTHEASTERLY FROM SAID POLE, SO EASEMENT IS NOT PLOTTABLE.

37. THE EFFECT OF THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "AGREEMENT WITH BAKER RANCH WAIVER/DEFERRAL OF WATER AND SEWER CONNECTION FEES," EXECUTED BY AND BETWEEN LOS ALISOS WATER DISTRICT, A SPECIAL DISTRICT FORMED PURSUANT TO SECTIONS 34000-38500 OF THE CALIFORNIA WATER CODE, AND FIRST AMERICAN TRUST COMPANY, A CALIFORNIA CORPORATION, TRUSTEE UNDER TRUST NO. 82-0135-00, RECORDED DECEMBER 20, 1995, AS INSTRUMENT NO. 19950567077 OF OFFICIAL RECORDS.

NOTE: OTHER THAN A REFERENCE TO THE CITY OF LAKE FOREST, SAID AGREEMENT DOES NOT DESCRIBE PROPERTY AFFECTED THEREBY, EXHIBIT "A" AS REFERENCED IN THE BODY OF SAID AGREEMENT WAS OMITTED IN RECORDING.

TITLE REPORT (cont'd):

38. THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "LICENSE," EXECUTED BY AND BETWEEN FIRST AMERICAN TRUST COMPANY, A CALIFORNIA CORPORATION, TRUSTEE UNDER TRUST NO. 82-0135-00 AND COX COMMUNICATIONS PCS, L.P., A DELAWARE LIMITED PARTNERSHIP, RECORDED OCTOBER 2, 1997, AS INSTRUMENT NO. 19970489400 OF OFFICIAL RECORDS. NOT LOCATABLE FROM THE RECORD.

39. THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "AGREEMENT AFFECTING REAL PROPERTY FOR THE COMPLETION OF PUBLIC IMPROVEMENTS," EXECUTED BY AND BETWEEN THE CITY OF LAKE FOREST, CALIFORNIA, A MUNICIPAL CORPORATION AND BORREGO PARTNERS, A CALIFORNIA LIMITED PARTNERSHIP, RECORDED JANUARY 22, 1998, AS INSTRUMENT NO. 19980035007 OF OFFICIAL RECORDS.

40. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED JANUARY 22, 1998, AS INSTRUMENT NO. 19980035008 OF OFFICIAL RECORDS. IN FAVOR OF: THE CITY OF LAKE FOREST, A CALIFORNIA MUNICIPAL CORPORATION.

FOR: PUBLIC ROAD, HIGHWAY RIGHT-OF-WAY (ALTON PARKWAY AND TOWNE CENTRE DRIVE) AND INCIDENTAL PURPOSES. SHOWN HEREON AS (4)

THE FOLLOWING AFFECT PARCEL C:

41. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED DECEMBER 31, 1958, IN BOOK 4533, PAGES 588, 590 AND 593 OF OFFICIAL RECORDS. AND IN DEED RECORDED JANUARY 20, 1961, IN BOOK 5598, PAGE 393 OF OFFICIAL RECORDS.

IN FAVOR OF: EL TORO COMPANY, A PARTNERSHIP FOR: ROADS, PUBLIC UTILITY AND INCIDENTAL PURPOSES. EASEMENT IS BLANKET IN NATURE.

42. THE RECITAL ON THE MAP FILED IN BOOK 143, PAGES 11 TO 16 OF PARCEL MAPS, WHICH STATES AS FOLLOWS: "THAT CONVEYANCE OF TITLE OF ANY OF THE PARCELS HEREIN SHALL INCLUDE A 40' FOOT WIDE VEHICULAR ACCESS EASEMENT TO AN EXISTING PUBLIC ROAD."

43. THE TERMS PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "BAKER RANCH DEVELOPMENT AGREEMENT, COUNTY OF ORANGE," EXECUTED BY AND BETWEEN FIRST AMERICAN TRUST AND THE COUNTY OF ORANGE, RECORDED JUNE 3, 1988. AS INSTRUMENT NO. 88-263204 OF OFFICIAL RECORDS.

44. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED AUGUST 6, 1993, AS INSTRUMENT NO. 93-0527509 OF OFFICIAL RECORDS,

FOR: WATER, SEWAGE TRANSMISSION AND INCIDENTAL PURPOSES. SHOWN HEREON AS (44)

45. THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "AGREEMENT WITH BAKER RANCH WAIVER /DEFERRAL OF WATER AND SEWER CONNECTION FEES," EXECUTED BY AND BETWEEN LOS ALISOS WATER DISTRICT AND FIRST AMERICAN TRUST COMPANY, A CALIFORNIA CORPORATION, TRUSTEE UNDER TRUST NO. 82-0135-00, RECORDED AUGUST 6, 1993, AS INSTRUMENT NO. 93-0528730 OF OFFICIAL RECORDS.

46. A CONSTRUCTION DEED OF TRUST RECORDED SEPTEMBER 24, 1996, AS INSTRUMENT NO. 19960485862 OF OFFICIAL RECORDS.

47. A DEED OF TRUST RECORDED SEPTEMBER 24, 1996, AS INSTRUMENT NO. 19960485863 OF OFFICIAL RECORDS.

48. A DEED OF TRUST RECORDED SEPTEMBER 24, 1996, AS INSTRUMENT NO. 19960485864 OF OFFICIAL RECORDS.

FOR: ROADS, PUBLIC UTILITY AND INCIDENTAL PURPOSES. EASEMENT IS BLANKET IN NATURE.

49. A FINANCING STATEMENT RECORDED SEPTEMBER 26, 1996, AS INSTRUMENT NO. 19960491737 OF OFFICIAL RECORDS.

50. THE DEDICATION TO THE PUBLIC FOR STREET PURPOSES: LOT A AND LOT B (BAFFIN BAY DRIVE), AS ACCEPTED BY ENDORSEMENT ON SAID PARCEL MAP. 51. THE RECITAL ON SAID PARCEL MAP THAT THE PARCEL SHOWN ON THIS MAP IS PART OF TENTATIVE TRACT MAP NO. 13336, THE APPLICABLE CONDITIONS OF APPROVAL OF SAID TENTATIVE TRACT MAP SHALL BE MET UPON THE DEVELOPMENT OF THE FUTURE LOTS OF TENTATIVE TRACT 13336.

52. THE RECITAL ON SAID PARCEL MAP THAT THE LAND EMBRACED BY THIS MAP IS SUBJECT TO OVERFLIGHT, SIGHT AND SOUND OF AIRCRAFT OPERATING FROM EL TORO MARINE CORPS AIR STATION.

THE FOLLOWING AFFECT PARCEL D:

53. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED DECEMBER 31, 1958, IN BOOK 4533, PAGES 588, 590 AND 593 OF OFFICIAL RECORDS, AND IN DEED RECORDED JANUARY 20, 1961, IN BOOK 5598, PAGE 393 OF OFFICIAL RECORDS. IN FAVOR OF: EL TORO COMPANY, A PARTNERSHIP

54. THE RECITAL ON THE MAP FILED IN BOOK 143, PAGES 11 TO 16 OF PARCEL MAPS, WHICH STATES AS FOLLOWS: "THAT CONVEYANCE OF TITLE OF ANY OF THE PARCELS HEREIN SHALL INCLUDE A 40' FOOT WIDE VEHICULAR ACCESS EASEMENT TO AN EXISTING PUBLIC ROAD.

55. THE RECITAL ON THE MAP FILED IN BOOK 143, PAGES 11 TO 16 OF PARCEL MAPS, WHICH STATES AS FOLLOWS: "A PORTION OF THE LAND EMBRACED BY THIS PARCEL MAP IS SUBJECT TO OVERFLIGHT, SIGHT AND SOUND OF AIRCRAFT OPERATING FROM EL TORO MARINE CORPS AIR STATION."

56. THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "BAKER RANCH DEVELOPMENT AGREEMENT, COUNTY OF ORANGE," EXECUTED BY AND BETWEEN FIRST AMERICAN TRUST COMPANY AND THE COUNTY OF ORANGE, RECORDED JUNE 3, 1988, AS INSTRUMENT NO. 88-263204 OF OFFICIAL RECORDS.

57. THE TERMS, PROVISIONS AND CONDITIONS CONTAINED IN A DOCUMENT ENTITLED "AGREEMENT WITH BAKER RANCH WAIVER/DEFERRAL OF WATER AND SEWER CONNECTION FEES." EXECUTED BY AND BETWEEN LOS ALISOS WATER DISTRICT AND FIRST AMERICAN TRUST COMPANY. A CALIFORNIA CORPORATION. TRUSTEE UNDER

58. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED AUGUST 6, 1993, AS INSTRUMENT NO. 93-0529677 OF OFFICIAL RECORDS,

IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY. FOR: LINES, CONDUITS AND INCIDENTAL PURPOSES. SHOWN HEREON AS (58)

59. THE RECITAL ON THE MAP OF SAID TRACT THAT THE PARCEL SHOWN ON THIS MAP IS PART OF TENTATIVE TRACT MAP NO. 13336, THE APPLICABLE CONDITIONS OF APPROVAL OF SAID TENTATIVE TRACT MAP SHALL BE MET UPON THE DEVELOPMENT OF THE FUTURE LOTS OF TENTATIVE TRACT 13336.

60. THE RECITAL ON THE MAP OF SAID TRACT THAT THE LAND EMBRACED BY THIS MAP IS SUBJECT TO OVERFLIGHT, SIGHT AND SOUND OF AIRCRAFT OPERATING FROM EL TORO MARINE CORPS AIR STATION.

61. A CONSTRUCTION DEED OF TRUST RECORDED SEPTEMBER 24, 1996, AS INSTRUMENT NO. 19960485862 OF OFFICIAL RECORDS.

62. A FINANCING STATEMENT RECORDED SEPTEMBER 26, 1996, AS INSTRUMENT NO. 19960491737 OF OFFICIAL RECORDS.

TRUST NO. 82-0135-00, RECORDED AUGUST 6, 1993, AS INSTRUMENT NO. 93-0528730 OF OFFICIAL RECORDS.

63. AN EASEMENT AS SET FORTH IN AN INSTRUMENT RECORDED JANUARY 29, 1997, AS INSTRUMENT NO. 19970044401 OF OFFICIAL RECORDS, IN FAVOR OF: LOS ALISOS WATER DISTRICT. FOR: WATER, RECLAIMED WATER, SEWAGE TRANSMISSION PURPOSES, INCLUDING SPECIFICALLY BUT NOT BY WAY OF LIMITATION, THE RIGHT TO LAY, CONSTRUCT, MAINTAIN, RECONSTRUCT, RENEW, ENLARGE, USE AND OPERATE A WATER AND/OR A SEWER PIPELINE TOGETHER WITH INCIDENTAL APPURTENANCES, CONNECTIONS,

STRUCTURES AND INCIDENTAL PURPOSES. SHOWN HEREON AS

1. THIS SURVEY DOES NOT INCLUDE ANY LOCATION OR RESEARCH FOR UNDERGROUND UTILITIES OR OTHER FACILITIES, IF ANY, OTHER THAN AS SHOWN.

AREA: 369.955 ACRES.

3. RECORD OWNER: BAKER RANCH PROPERTIES LLC, A CALIFORNIA LIMITED PARTNERSHIP.

4. SITE ADDRESS: 25690 BAFFIN BAY DRIVE A.P.N. 104-132-81 20741 CANADA ROAD A.P.N. 104-132-82

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING BETWEEN O.C.S. HORIZONTAL CONTROL STATION GPS NO. 6742 AND STATION GPS NO. 6733 BEING N45°32'11"E PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

THE LAND REFERRED TO IN THIS REPORT IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF ORANGE, CITY OF LAKE FOREST, AND IS DESCRIBED AS FOLLOWS: PARCEL A:

PARCEL 4º OF PARCEL MAP NO. 97-173, AS SHOWN N A MAP FILED IN BOOK 301, PAGES 43 TO 45, INCLUSIVE, OF PARCEL MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA.

PARCEL B:

PARCEL C:

PARCEL 2. AS SHOWN ON EXHIBIT "B" ATTACHED TO THAT CERTAIN LOT LINE ADJUSTMENT LL 88-08, RECORDED DECEMBER 12, 1988, AS INSTRUMENT NO. 88-644229 OF OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA.

EXCEPTING THEREFROM THAT PORTION INCLUDED WITHIN THE LAND DESCRIBED IN THE DEED TO LOS ALISOS WATER DISTRICT, A CALIFORNIA WATER DISTRICT, RECORDED SEPTEMBER 23, 1987, AS INSTRUMENT NO. 87-536582 OF SAID OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION INCLUDED WITHIN THE LAND DESCRIBED IN THE DEED TO THE LOS ALISOS WATER DISTRICT, A CALIFORNIA WATER DISTRICT, RECORDED OCTOBER 23, 1989, AS INSTRUMENT NO. 89-570088 OF SAID OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM PARCEL 1 OF PARCEL MAP NO. 94-139, AS SHOWN ON A MAP FILED IN BOOK 288, PAGES 19 AND 20 OF PARCEL MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA

LOT 8 OF PARCEL MAP NO. 97-173, AS SHOWN ON A MAP FILED IN BOOK 301, PAGES 43 TO 45, INCLUSIVE, OF PARCEL MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA. PARCEL D:

THAT PORTION OF PARCEL 1 OF PARCEL MAP NO. 94-139, AS SHOWN ON A MAP FILED IN BOOK 288, PAGES 19 AND 20 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA, INCLUDED WITHIN THAT CERTAIN STRIP OF LAND DELINEATED ON PARCEL MAP NO. 97-173, FILED IN BOOK 301, PAGES 43 TO 45, INCLUSIVE, OF SAID PARCEL MAPS, AS "REMAINDER-NOT A PART."

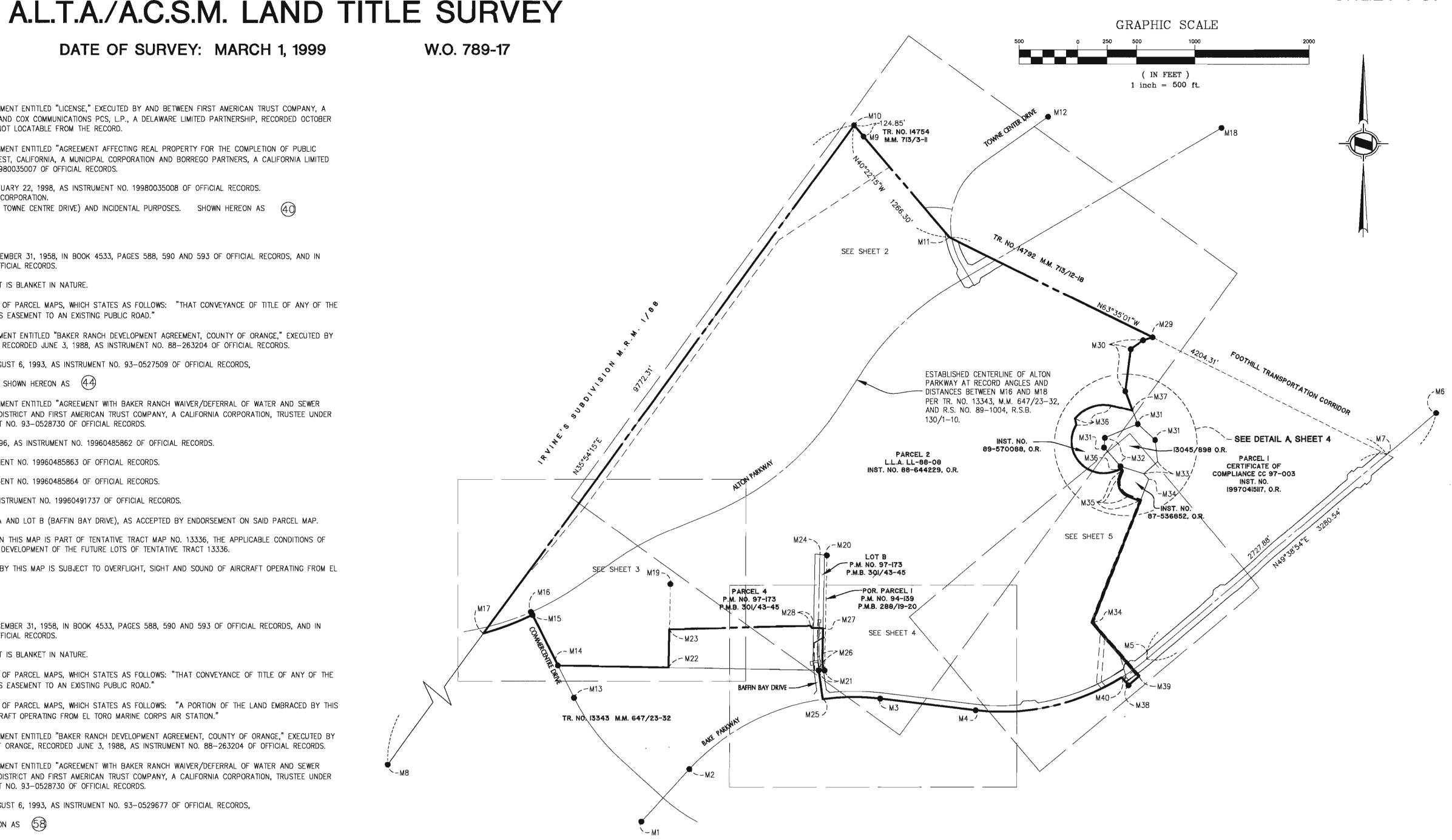
SURVEYOR'S CERTIFICATE\*:

TO: FIRST AMERICAN TITLE INSURANCE COMPANY AND SHEA BUSINESS PROPERTIES;

THIS IS TO CERTIFY\* THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE (i) IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA, ACSM AND NSPS IN 1997, AND (ii) PURSUANT TO THE ACCURACY STANDARDS (AS ADOPTED BY ALTA AND ACSM AND IN EFFECT ON THE DATE OF THIS CERTIFICATION\*) OF AN URBAN SURVEY.

\* USE OF THE WORDS "CERTIFY", "CERTIFICATE" AND "CERTIFICATION" IS ASSUMED TO BE IN ACCORDANCE WITH THE DEFINITION CONTAINED IN CALIFORNIA BUSINESS AND PROFESSIONS CODE SECTION 6735.5.

MY LICENSE EXPIRES: 12/31/99



# BOUNDARY CONTROL AND INDEX MAP

MONUMENT NOTES:

13343, M.M. 647/23-32.

Exp. 12/31/99

No. 6654

FOR LINE.

INDICATES FOUND MONUMENT AS NOTED BELOW

M1 FOUND LEAD AND TAG "L.S. 4965" IN LIEU OF 2" I.P. TAGGED "L.S. 4965" PER TR. NO. 13343, M.M. 647/23-32. M2 FOUND O.C.S. WELL MONUMENT STAMPED "L.S. 4965" PER TR. NO. 13343, M.M. 647/23-32 S42°20'09"W 0.12'. HELD

M3 FOUND 2" I.P. TAGGED "L.S. 4965" PER TR. NO. 13344, M.M. 647/33-42, S83°05'15"E 0.14'. HELD FOR LINE. M4 FOUND 2" I.P. TAGGED "L.S. 4965" PER TR. NO. 13344, M.M. 647/33-42.

M5 FOUND NOTHING. ESTABLISHED AS B.C. OF CURVE (RADIUS = 1900.00') BETWEEN M4 AND M6.

M6 FOUND S&W STAMPED "L.S. 4965" PER TR. NO. 14753, M.M. 697/01-09. M7 FOUND NOTHING. ESTABLISHED ON CENTERLINE OF BAKE PARKWAY AT RECORD DISTANCE (2727.88') FROM M5 PER INSTRUMENT NO. 91-174660, O.R.

M8 FOUND 2" I.P. TAGGED "O.C.S." PER R.S. 94-1032, R.S.B. 151/42-45.

M9 FOUND 2" I.P. TAGGED "L.S. 2326", NO REF., ACCEPTED AS POINT ON LINE.

M10 FOUND 2" I.P. TAGGED "L.S. 2326", S40°22'15"E 1.53' ON LINE FROM NORTHEAST CORNER PARCEL 1, P.M. NO. 79-132, P.M.B. 143/11-16, PER TR. NO. 14754, M.M. 713/3-11.

M11 FOUND NOTHING. ESTABLISHED ON PRODUCTION OF LINE M10 TO M9, AT RECORD DISTANCE (1264.77') FROM M10. M12 FOUND S&W STAMPED "L.S. 4965" PER TR. NO. 14792, M.M. 713/12-18, AT CENTERLINE INTERSECTION OF TOWNE

M13 FOUND 2" BRASS DISC STAMPED "L.S. 4965" PER TR. NO. 13343, M.M. 647/23-32.

M14 FOUND S&W STAMPED "L.S. 4965" PER TR. NO. 13343, M.M. 647/23-32.

M15 FOUND 2" (.P. "L.S. 4965" IN LIEU OF S&W STAMPED "L.S. 4965" PER TR. NO. 13343, M.M. 647/23-32.

M16 FOUND 2" I.P. "L.S. 4965" IN LIEU OF 2" BRASS DISC STAMPED "L.S. 4965" PER TR. NO. 13343, M.M. 647/23-32. M17 FOUND NOTHING. ESTABLISHED AT INTERSECTION OF CURVE (RADIUS = 2350.00') AND SOUTHEASTERLY LINE IRVINE'S SUBDIVISION, M.R.M. 1/88. ESTABLISHED CURVE AT RECORD ANGLE AND DISTANCE FROM FOUND MONUMENTS PER TR. NO.

M18 FOUND 2" I.P. IN LIEU OF 1" I.P. TAGGED "L.S. 4965" PER TR. NO. 14792, M.M. 713/12-18.

M19 FOUND 1" I.P. WITH PLASTIC PLUG "L.S. 6583" PER P.M. NO. 94-139, P.M.B. 288/19-20. M20 FOUND 1" I.P., NO TAG, NO REF. ACCEPTED AS NORTHEAST CORNER PARCEL 1, P.M. NO. 94-139, P.M.B. 288/19-20.

M21 FOUND 1" I.P. WITH PLASTIC PLUG "L.S. 6583" PER P.M. NO. 94-139, P.M.B. 288/19-20.

M23 FOUND NOTHING. ESTABLISHED BY PRORATION BETWEEN M19 AND M22 PER P.M. NO. 94-139, P.M.B. 288/19-20.

M22 FOUND NOTHING. ESTABLISHED BY PRORATION BETWEEN M14 AND M21 PER P.M. NO. 94-139, P.M.B. 288/19-20.

M24 FOUND NOTHING. ESTABLISHED AT RECORD ANGLE AND DISTANCE FROM M20 PER P.M. NO. 97-173, P.M.B. 301/43-45. M25 FOUND FOUND 2" BRASS DISC STAMPED "L.S. 4965" PER TR. NO. 13343, M.M. 647/23-32.

M26 FOUND NOTHING. ESTABLISHED AS CENTERLINE POINTS OF CONTROL, BAFFIN BAY DRIVE, PER P.M. NO. 97-173, P.M.B. 301/43-45. ESTABLISHED NORTHERLY CENTERLINE PARALLEL TO M20 TO M21 THROUGH M24, AND SOUTHERLY CENTERLINE RADIAL TO ESTABLISHED CURVE (RADIUS = 1900.00') IN THE CENTERLINE OF BAKE PARKWAY, PER TR. NO. 13343, M.M. 647/23-32, AND P.M. NO. 97-173, P.M.B. 301/43-45.

M28 FOUND NOTHING. ESTABLISHED BY COMPASS ADJUSTMENT BETWEEN M23 AND M27 PER P.M. NO. 97-173, P.M.B.

M27 FOUND NOTHING. ESTABLISHED BY PRORATION ALONG RIGHT OF WAY OF BAFFIN BAY DRIVE PER P.M. NO. 97-173, P.M.B. 301/43-45.

301/43-45. M29 FOUND 2" I.P. TAGGED "L.S. 4101" PER P.M. NO. 79-132, P.M.B. 143/11-16, S73°10'57"W 0.22'. HELD FOR LINE. M30 FOUND 2" I.P. TAGGED "L.S. 4101" PER P.M. NO. 79-132, P.M.B. 143/11-16.

# MONUMENT NOTES (cont'd):

87-536852, O.R.

647/14-22.

M31 FOUND 2" I.P. TAGGED "L.S. 2528", PER P.M. NO. 79-132, P.M.B. 143/11-16. ACCEPTED AS CORNER OF 13045/898, O.R. NOTE: SAID PIPES WERE FOUND IN POSITION INDICATED BY P.M.B. 143/11-16 AS "INDICATES SET 2" IRON PIPE WITH BRASS DISK 1 1/2 INCHES IN DIAMETER STAMPED "L.S. 4101".

M32 FOUND 2" I.P., NO TAG, NO REF. ACCEPTED AS CORNER OF 13045/898, O.R.

M33 FOUND NOTHING. ESTABLISHED AT RECORD ANGLES AND DISTANCES FROM FOUND MONUMENTS PER 13045/898, O.R. M34 FOUND NOTHING. ESTABLISHED BY COMPASS ADJUSTMENT BETWEEN M33 AND M\_\_ PER P.M. NO. 79~132, P.M.B. 143/11-16.

M35 FOUND NOTHING. ESTABLISHED AT RECORD ANGLES AND DISTANCES FROM FOUND MONUMENTS PER INSTRUMENT NO.

M36 FOUND NOTHING. ESTABLISHED AT RECORD ANGLES AND DISTANCES FROM FOUND MONUMENTS PER INSTRUMENT NO. 89-570088, O.R.

M37 FOUND NOTHING. ESTABLISHED ON LINE FROM M30 TO M31 AT RECORD ANGLE FROM M36 PER INSTRUMENT NO. 89-570088,

M39 FOUND NOTHING. ESTABLISHED AT RECORD DISTANCE (118.76') FROM M38 PER P.M. NO. 79-132, P.M.B. 143/11-16, ON A LINE PARALLEL AND 70.00' SOUTHEASTERLY OF THE LINE M5 TO M6, PER R.S. NO. 89-1004, R.S.B. 130/1-10.

M40 FOUND NOTHING. ESTABLISHED ON CENTERLINE OF BAKE PARKWAY AT RECORD ANGLE FROM M38 PER TR. NO. 13342, M.M.

M38 FOUND 2" I.P. TAGGED "L.S. 4965" PER TR. NO. 13342, M.M. 647/14-22.

PP. INDICATES POWER POLE WITH 10' CROSSARMS, 3 - 12KV WIRES, EXCEPT AS NOTED.

→ ★ !NDICATES STREET LIGHT

(D) INDICATES STORM DRAIN MANHOLE

-x- INDICATES 5' BARBED WIRE FENCE, EXCEPT AS NOTED.

INDICATES FIRE HYDRANT WV. INDICATES WATER VALVE

GW INDICATES GUY WIRE

S INDICATES SANITARY SEWER MANHOLE

TP • INDICATES TELEPHONE POLE

TSV INDICATES TRAFFIC SIGNAL VAULTS

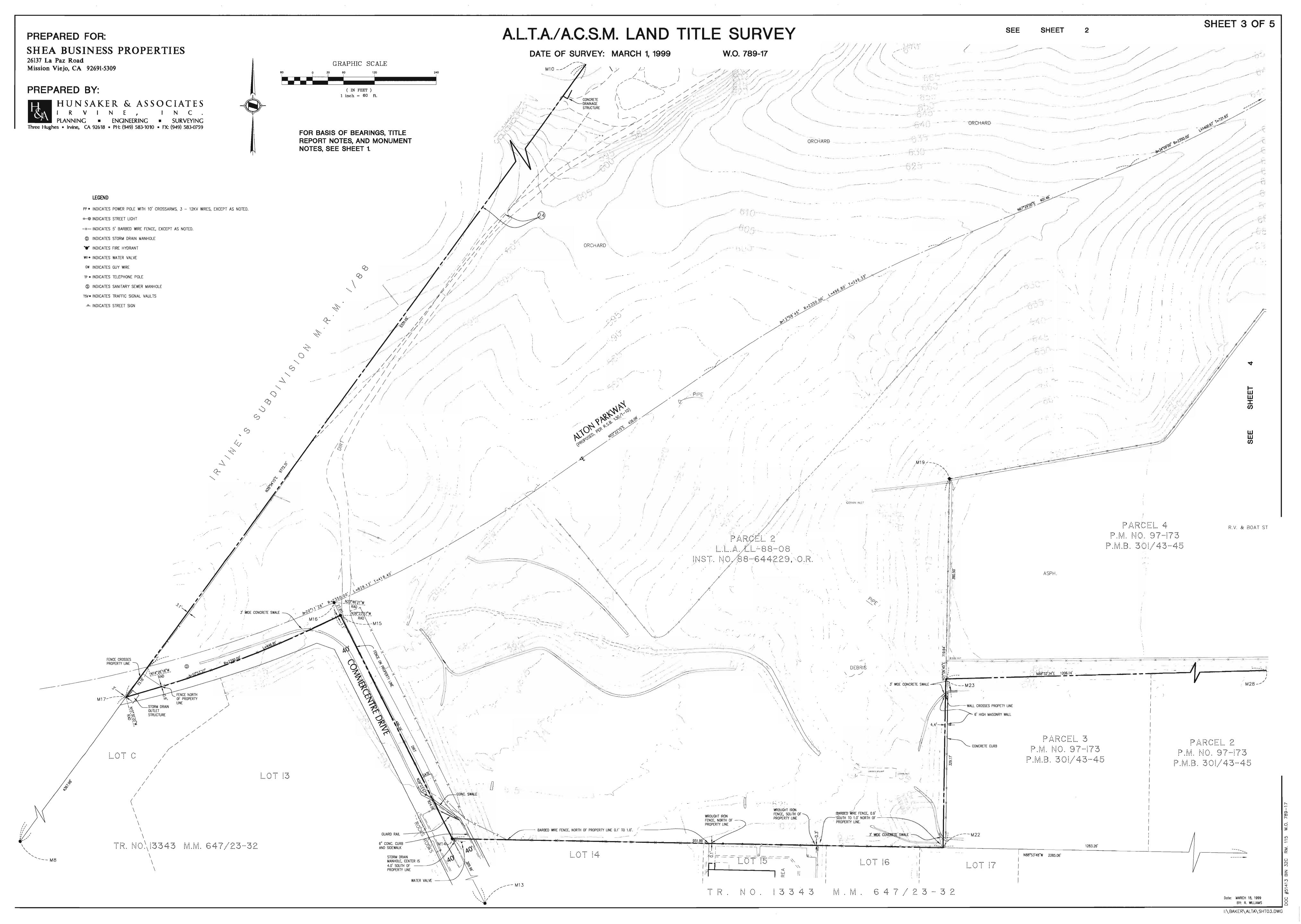
- INDICATES STREET SIGN

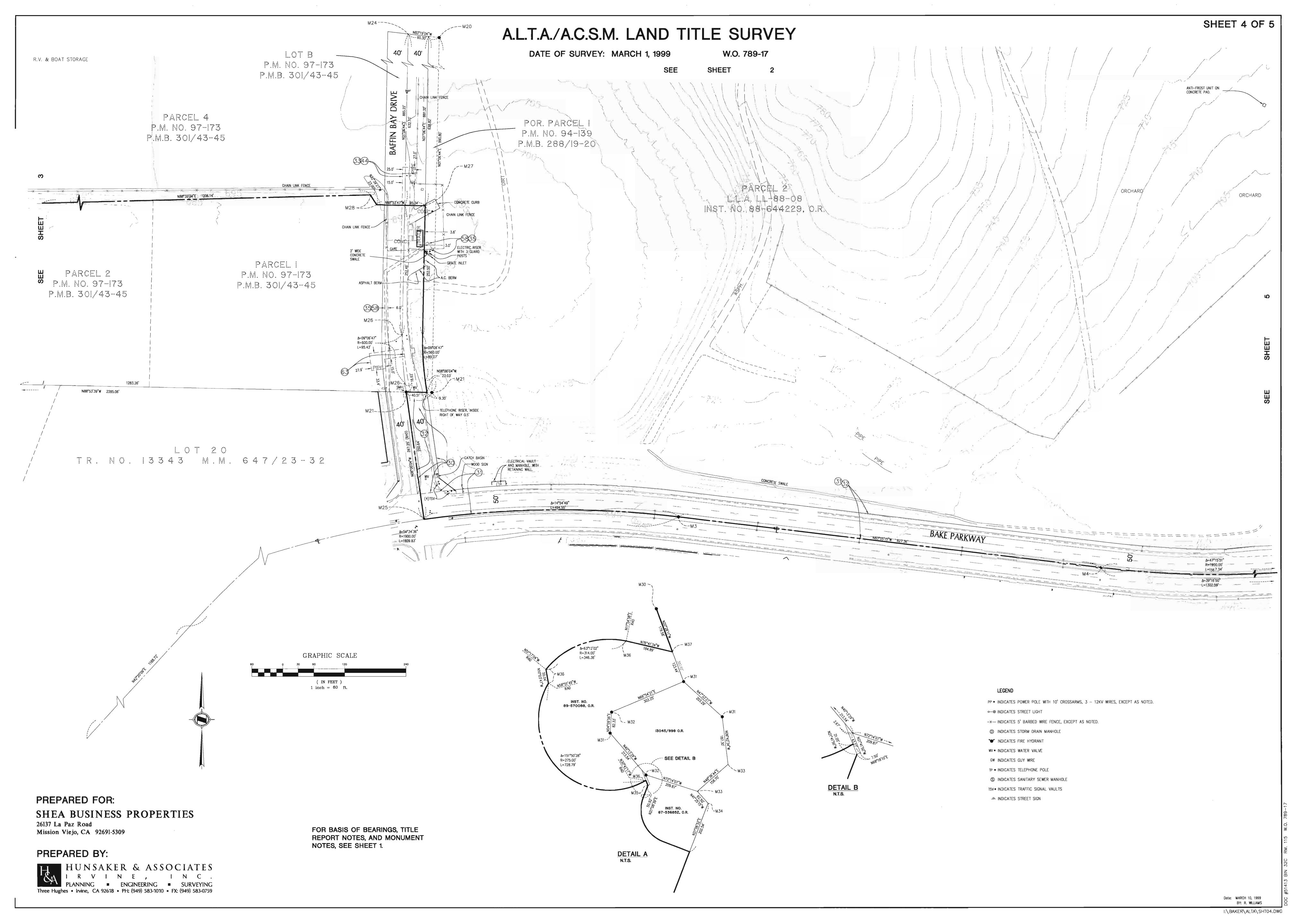
BY: R. WILLIAMS,

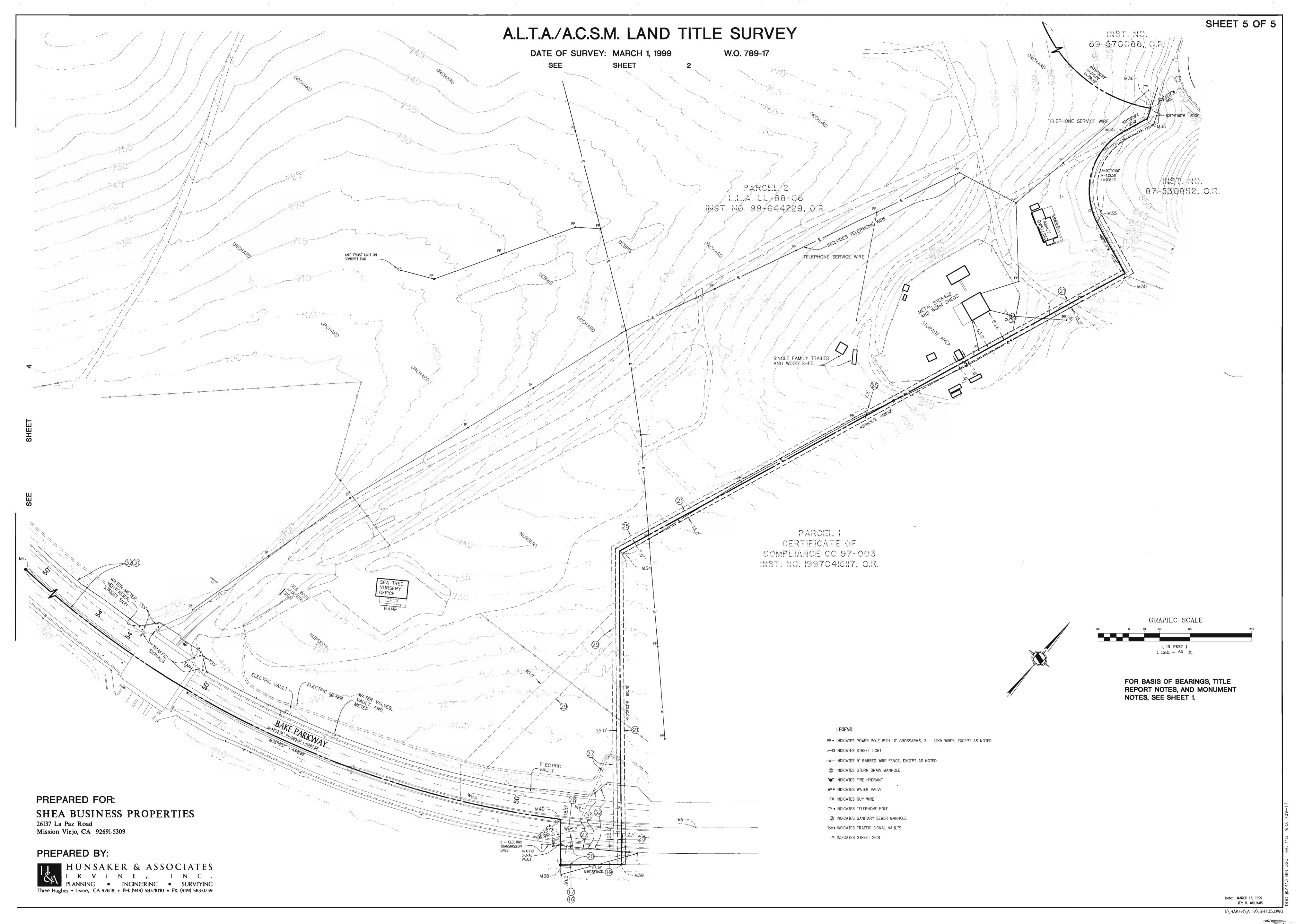
Date: MARCH 18, 1999

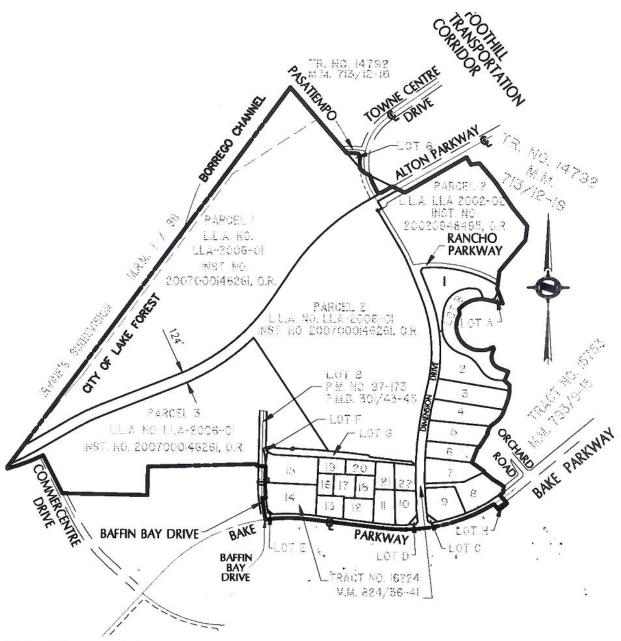
1:\BAKER\ALTA\SHT01.DWG











PARCELS 1 THROUGH 3, INCLUSIVE, OF LOT LINE ADJUSTMENT NO. LLA-2008-01 IN THE CITY OF LAKE FOREST, COUNTY OF ORANGE, STATE OF CALIFORNIA, RECORDED MARCH 7, 2007, AS INSTRUMENT NO. 2007000146261 OF OFFICIAL RECORDS OF SAID COUNTY.

COUNTY.

PARCEL 2 OF LOT LINE ADJUSTMENT NO. LLA-2002-02 IN THE CITY OF LAKE FOREST, COUNTY OF ORANGE, STATE OF
CALIFORNIA, RECORDED OCTOBER 30, 2002, AS INSTRUMENT NO. 20020948495 OF OFFICIAL RECORDS OF SAID COUNTY.

PARCEL B OF PARCEL MAP NO. 97-173 AS SHOWN ON A MAP FILED IN BOOK 301, PAGES 43, 44 AND 45, OF PARCEL MAPS IN
THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

ALL OF TRACT NO. 16224 AS SHOWN ON A MAP FILED IN BOOK 824, PAGES 36 THROUGH 41, INCLUSIVE, OF MISCELLANEOUS
MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

LOT 8 OF TRACT NO. 14792 AS SHOWN ON A MAP FILED IN BOOK 713, PAGES 12 THROUGH 18, INCLUSIVE, OF MISCELLANEOUS
MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

Scale: 1"=1,000'

Exhibit 1.1 - Boundary Map and Legal Description

Legally Privileged & Confidential Attorney/Client Work Product Privileges

# Phase I Environmental Assessment

McLaren/Hart Job Number 03.0603724.001.001

# Shea Properties Tentative Tract No. 13336 Baker Ranch Lake Forest, California 92630

March 2, 1999

Prepared for:

Moskowitz, Brestoff, Winston, & Blinderman, LLP

1880 Century Park East, Suite 350 Los Angeles, California 90067

and

Shea Properties

667 Brea Canyon Road, Suite 30 Walnut, California 91789

Prepared by:

McLaren/Hart, Inc.

16755 Von Karman Avenue Irvine, California 92606-4918

Donald G. Koch, REA, CPA

Principal Environmental Scientist

Mary F. Osborne, REA

Senior Environmental Scientist

# . Legally Privileged & Confidential Attorney/Client Work Product Privileges

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# **FIGURES**

Figure 1

Site Location Map

Figure 2

Plot Plan

# APPENDICES

Appendix A VISTA Database Report

Appendix B Pho

Photographs

Appendix C

Agency Records

### 1.0 INTRODUCTION

### 1.1 PURPOSE AND SCOPE

McLaren/Hart, Inc. (McLaren/Hart) performed a Phase I Environmental Site Assessment (ESA) of the Baker Ranch site located in Lake Forest, California (subject site). The subject site consists of approximately 370 acres located 2 miles northeast of the intersection of Irvine Boulevard and Bake Parkway. The ESA was conducted using the American Society for Testing and Materials (ASTM) Standard, E1527-97, as a guideline. The primary purpose of the assessment was to evaluate whether current or former activities at the subject site or at adjacent sites could be identified as recognized environmental conditions. A recognized etc. onmental condition (REC) is defined by ASTM as the presence or likely presence of any hazardous substances or petroleum products (PP) on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or PP into structures on the subject site or into the ground, groundwater, or surface water of the subject site. RECs do not include de minimis conditions that generally do not present a material risk of harm to the public health or the environment.

McLaren/Hart conducted the following tasks to accomplish the project objective:

- Inspected the subject site for areas of potential hazardous materials impact and identified adjoining properties that appeared to have the potential to impact the subject site with hazardous materials.
- Reviewed published government agency records to list properties generally within one quarter mile of the subject site that generate hazardous waste, manage hazardous materials, or have reported toxic chemical releases and which may potentially impact

the subject site. McLaren/Hart obtained the government agency list report from VISTA Information Solutions, Inc. (VISTA).

- Contacted the appropriate environmental agencies for historical information regarding hazardous materials use, storage, and/or releases at the subject site; reviewed historical aerial photographs for the subject site.
- Prepared a Phase I report of the environmental assessment findings and conclusions.

# 1.2 LIMITATIONS AND LIABILITIES

McLaren/Hart undertakes all assignments in its role as an environmental engineering consulting firm using professional effort consistent with generally accepted environmental assessment practices. McLaren/Hart has attempted to assess the subject site utilizing information obtained from: the on-site assessment conducted on January 27, 1999, review of regulatory records, available literature and documents, a historical site information review, and in...rviews with employees and other parties knowledgeable of the subject site. McLaren/Hart has not conducted its own air, soil or groundwater quality monitoring; analytical or geotechnical investigations; asbestos inspection/bulk sampling or lead-based paint inspection/risk assessment but has relied on existing available information. Findings presented herein are based upon observations of current conditions and the performance of the specified scope of work and may not be indicative of future conditions or operating practices at the subject site or surrounding properties.

# Legally Privileged & Confidential Attorney/Client Work Product Privileges

#### 2.0 SUBJECT SITE INFORMATION

#### 2.1 **GENERAL INFORMATION**

Building:

Five (three residences

and two maintenance

buildings

Contact:

Chris Veitch

Baker Ranch Properties

Mike Guzman

Baker Ranch Properties

Robert Seat

Sea Tree Nurseries, Inc.

Tenant:

Sea Tree Nurseries,

Baker Ranch RV

Telephone:

(949) 475-0890

(949) 951-7999

Storage

Address:

Various, on Bake

Parkway, Lake Forest Road, and Canada Road Inspected By:

Don Koch, Mary Osborne

Inspection Date:

January 27, 1999

#### SUBJECT SITE DESCRIPTION 2.2

The subject site consists primarily of agricultural land currently developed for avocado groves and a wholesale potted plant nursery. Approximately 50% of the useable acres are in use for nursery plants and avocado groves. The southwestern portion of the property is leased by Baker Ranch RV Storage (Baker RV). Baker RV is a storage facility for boats, campers, and mobile homes.

# 2.3 SUBJECT SITE LOCATION AND ADJACENT PROPERTIES

The subject site is located in a developing rural area of Lake Forest, California. Figure 1 is a site location map based on the 1982 photorevised topographic map. Significant development and construction activity have occurred in the vicinity since 1982. A more current map depicting recent commercial development was not available. Figure 2 is a site plot plan. The site plot plan depicts the subject site and adjacent properties, as described below.

- North The subject site is bordered on the north by an undeveloped parcel and the Foothill Transportation Corridor (State Route 241).
- South The subject site is bordered on the south by Bake Parkway and a Public Storage facility. The southwest portion of the site is adjacent to Commercentre Drive where commercial development has commenced.
- Fast The subject site is bordered on the east by vacant land owned by A.J. Properties. This land was being graded on the day of inspection.
- West The subject site is bordered on the west by the Borrego Canyon Wash and the U.S. Marine Corps Air Station (USMCAS) at El Toro.

### 2.4 SUBJECT SITE OPERATIONS

The subject site is operated by Baker Ranch Properties for agricultural use. Baker Ranch Properties currently leases the western portion and the southeast corner of the subject site to Sea Tree Nurseries, Inc. (Sea Tree). According to Mr. Robert Seat, President, Sea Tree operates a potted plant nursery on approximately 75 acres of the subject site.

Baker Ranch Properties also has an agreement with Calavo Growers to harvest avocados on the subject site. Maintenance of the groves including pesticide application and fertilization is performed by on-site Baker Ranch Property resident employees.

#### 2.5 Subject Site Potable Water Supply

Potable and irrigation water is currently supplied to the subject site by the Los Alisos Water District.

#### 2.6 SUBJECT SITE WASTE WATER DISCHARGE

There is no wastewater discharge at the facility. Three separate septic tank systems are located on-site for sanitary wastewater disposal. According to Mr. Mike Guzman, no known septic fields are associated with these systems; however, 1980 Building Department records indicate that a plumbing permit was issued for a septic tank and leach field.

#### 2.7 Subject Site Hydrogeology

Depth to Groundwater:

Shallow groundwater in the vicinity of the subject site is presumed to be between 40 and 50 feet below ground surface. Three distinct zones are located beneath the El Toro site, with the reported depth to groundwater ranging from 80 feet to 240 feet below ground surface, having a west, northwest flow. The Borrego Creek traverses a portion of the subject site and empties into the Borrego Creek Wash at the southwestern portion of the subject site.

Water Flow Direction:

Southwest

Date of Research:

January 1998

Source of Data:

Orange County Water District Groundwater Contour Map (November 1997) and USMCAS El Toro groundwater

monitoring reports.

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#### 3.0 SUBJECT SITE HISTORY

A review of current and past activities conducted at the subject site was performed. The historical information review included:

- Interview with Mr. Robert Seat, Sea Tree; and Messrs. Chris Veitch and Mike Guzman, Baker Ranch Properties, regarding the current and historical uses of the subject site. This task included verification, where possible, as to whether current or past operators stored, generated, or discharged hazardous materials or wastes.
- Photo, Inc., and available on-site photographs maintained by Sea Tree. Some of these photographic records were taken at high altitudes, resulting in a gross assessment of site development only, and not necessarily defining property use.

Table 1 provides a historical summary for the subject site. Building permits were researched for the primary operating address on-site where the maintenance buildings are located. According to Mr. Veitch, the addresses for residences located on-site include 20745, 20747, and 20749 Canada Road, Lake Forest. The Baker Ranch Properties Maintenance Shop on-site is located at 20683 Canada Road, near the Los Alisos water tanks at the northeast portion of the subject site. Sanborn fire insurance maps were not available for the subject site.

#### TABLE 1 HISTORICAL USE FINDINGS

Years	Observations/Findings	Source
1959	The subject site and surrounding land appeared vacant and undeveloped. Property west of the Borrego Canyon Wash appeared sparsely developed with dirt roads and a few cleared or graded areas.	Aerial Photograph
1967	The subject site was partially developed with citrus crops. The eastern portion of the site appeared mostly undeveloped. Land west of the Borrego Canyon Wash appeared more developed with dirt roads.	Aerial Photograph
1978	The subject site appeared as partially developed with groves. The water tanks to the northeast and the nursery office to the southeast were not visible. The three residences on-site were visible.	Aerial Photograph
1980	A permit was issued for two new buildings indicated as a shop and storage facility at 20683 Canada, occupying 800 and 1600 square feet. Separate permits were issued for plumbing and electrical work at agricultural shops on-site. The plumbing permit indicated a septic tank and leach field were permitted. A separate permit was issued for grading of Lot B, intended for a tractor shed for storage of agricultural equipment.	Building Department records
15	The subject site had several dirt roads traversing the area. The Borrego Canyon was visible to the north and west.	U.S.G.S. Topographic Map
1987	The subject site appeared similar to the 1978 aerial photograph, except for the addition of one of the Los Alisos water tanks to the northeast. A small nursery operation appeared south of the maintenance yard, southeast of the water tank. Bake Parkway was not constructed and all surrounding land appeared vacant or agricultural.	Aerial Photograph
1997	The site appeared similar to the 1987 aerial photograph. Bake Parkway was now visible and the Baker RV Storage and Public Storage facilities appeared constructed. A stormwater pond or diversion pit appeared at the southwest corner of the property, west of Commercentre Drive. The properties along Commercentre Drive appeared graded for future construction.	Aerial Photograph

Based on the identified historical agricultural use of the subject site, it is likely that currently banned pesticides may have been applied to the groves and/or nursery plants. The presence of these pesticides may present an environmental condition during redevelopment of the property. The subject site is proposed for redevelopment as a commercial business park.

#### 4.0 SUBJECT SITE ENVIRONMENTAL REVIEW

#### 4.1 Environmental Review

An inspection was conducted at the subject site to obtain information regarding the following environmental issues:

- Hazardous or toxic materials storage;
- Solid waste;
- Hazardous waste;
  Industrial wastewater discharges;
- Air emissions sources;
- Aboveground/underground storage tanks;
- Drains, sumps, surface impoundments and ponds;
- Septic systems;
- Electrical equipment and other sources of polychlorinated biphenyls (PCBs);
- ▶ Wells:
- Heating and cooling systems; and
- Stressed vegetation, corrosion and stained soil or pavement.

Mary Osborne and Don Koch, performed the site inspection of the subject site on January 27, 1999. The McLaren/Hart staff were mostly unaccompanied during the inspection. Mr. Mike Guzman, on-site resident for Baker Ranch Properties and Mr. Robert Seat, President of Sea Tree Nurseries, Inc. were available during the site visit and were familiar with the history of the subject site. Mr. Guzman has been working at the property for approximately 36 years.

#### 4.1.1 Hazardous or Toxic Materials Storage

McLaren/Hart observed several areas where hazardous materials were being stored, as summarized in the following table:

Location	Material	Approximate Quantity	Comments
Baker Ranch Maintena	nce Yard (East)		0.574,1110,110
Aboveground tanks	Diesel Fuel, Gasoline	350 gallons/750 gallon, respectively	New storage since 1992 when tanks were reportedly replaced
Garage	Compressed Gas (Acetylene, Oxygen)	150 pounds	None
Garage	Lubrication oil, WD40, Enamel Paint, Paint Thinner, Cement	5-20 gallons	Materials are mostly stored on the concrete floor
Equipment Shed	Pesticides/Herbicides (Lorsban 15G, Princep Caliber 90, metaldehyde, Round Up, malathion)	15-30 gallons	None
Equipment Shed	Fertilizers (Ammonium Nitrate, Potassium Nitrate, Urea, UAN 32)	150 – 200 pounds	None
Waste Oil Storage Shed	Waste Oil	150 gallons	Moderate staining on concrete
Maintenance Yard	Oil/Pesticide Mixture	450 gallons	None
Maintenance Yard	Zinc Sulfate Fertilizers	Unknown	2 Polytanks
Sea Tree Nursery Shop	(West)		
Aboveground tanks	Diesel Fuel, Gasoline	200 gallons	
Maintenance shed	Motor oil, lubrication oil, antifreeze	5-15 gallons	

Moderate staining was noted in the waste oil storage shed (discussed further in Section 4.1.3). No major areas of staining were noted in any of the storage areas. Photographs of the site are provided in Appendix B.

#### 4.1.2 Solid Waste

Solid waste generated at this facility generally consists of nursery cuttings, wood pallets, empty planters, and plastic bags. McLaren/Hart observed one solid waste rolloff, provided by Great

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Western Reclamation, located near the Sea Tree Nursery Shop area. A separate dumpster provided by Waste Management was located at the Maintenance Yard.

A large quantity of debris (pipes, brick, pallets, wood) and surplus nursery supplies are stored adjacent to the east bank of Borrego Canyon Wash (Photograph #16). Some mobile equipment including tractors and water tanks were also parked along the wash perimeter.

#### 4.1.3 Hazardous Waste

Used oil from maintenance of equipment is the primary hazardous waste generated on-site by Baker Ranch Properties (Photograph #23). Smaller quantities of paint and maintenance supplies may be generated from time to time (Photographs #26, 28). All of the wastes are stored at the Maintenance Shop. The waste oil drums stored at the subject site were labeled with CAL000429387 as the facility identification number.

#### 4.1.4 Industrial Wastewater Discharges

The subject site does not have an industrial wastewater discharge. Any residual water from agricultural pesticide application is discharged onto the crops. A pesticide mixing area is located approximately 50 yards west of the Maintenance Shop. Portable spray tanks are filled with water at this location and pesticides are added to the tanks for use throughout the site. Mr. Guzman was not aware of any spills associated with the pesticide mixing operation.

#### 4.1.5 Air Emissions

The subject site currently has one operation subject to permitting by the South Coast Air Quality Management District (SCAQMD). This is the storage of 750 gallons of gasoline at the Baker Ranch Properties Maintenance Yard. Several wind machines were observed on-site that were either inoperable or had been converted to electric power. The wind machines were historically used for frost protection of crops. At least one of these machines appeared to have operated with gasoline or diesel fuel, based on the remaining motor system components still visible at the windmill base.

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#### 4.1.6 Aboveground/Underground Storage Tanks

Several aboveground storage tanks (ASTs) were observed on-site, as listed in Section 4.1.1 above.

According to the VISTA report, no records of above- or underground storage tanks (USTs) exist for the subject site.

Agency record information was obtained from Baker Ranch Properties for two former USTs located on-site. The available records indicate that a closure report was submitted to the Orange County Health Care Agency (OCHCA) in May 1992 for a 10,000 gallon UST (T-1). The closure report was prepared by Ami Adini and Associates, Inc. Three soil samples were collected at the time of tank removal, including one sample at approximately 1-2 feet below the tank invert at each end of the tank and one from one foot below the fuel dispenser piping. All three of the samples collected were non-detectable for contaminants according to modified FPA Method 8015/8020.

A November 1991 diagram prepared by Ami Adini and Associates, Inc. is provided in the Figures Section of this report. This diagram shows one additional UST (T-2) located at the southwest portion of the yard. This tank was apparently removed sometime prior to the T-1 removal. A 1,000 gallon AST was installed to replace T-1 and was described as a split tank with 750 gallon capacity for gasoline and 250 gallon capacity for diesel fuel. No closure report was available for the T-2 tank. The OCHCA issued a letter in June 1992 that the tank removal and soil sampling completed in April 1992 were accepted and that no further action was required. The letter did not specify how many tanks were removed.

Agency information was requested from the OCHCA for the subject site regarding ASTs or USTs. As of the date of this report, no information has been received. McLaren/Hart shall provide a letter report as a report addendum should any new relevant information become available.

#### 4.1.7 Drains, Sumps, Surface Impoundments and Ponds

No drains, sumps, surface impoundments, or ponds were observed at the subject site. Secondary containment provided for the fuel tanks at the Nursery Yard included a drain outlet with a PVC pipe extending out from the containment berm (Photograph #10). The drain is used to release accumulated stormwater in the containment area. Any spills of petroleum products might be released through this drain as well, with discharge to the soils in the vicinity of the tanks.

#### 4.1.8 Septic Systems

According to Mr. Mike Guzman, no historical septic systems with leach fields are located on the subject site. There are three separate septic tank systems on-site for the residences and the Baker Ranch Properties Maintenance Yard.

#### 4.1.9 Polychlorinated Biphenyls (PCBs)

Several pole-mounted transformers were observed on-site. The transformers included newer recently installed units associated with the residences. Several older units associated with the groves and former wind machines were also observed on-site.

Access to some of the units was limited and McLaren/Hart could not verify if there were leaks or spills in the vicinity of all units. The older units observed may be owned by Baker Ranch Properties, although this could not be confirmed at the time of the inspection.

The newer transformers are owned by Southern California Edison (SCE) Company. No information was available regarding the PCB content of these transformers, however, SCE has indicated that all PCB transformers have been replaced a number of years ago.

#### 4.1.10 Wells

No dry wells, irrigation wells, injection wells or production wells were observed on or immediately adjacent to the subject site. According to the Division of Oil and Gas (DOG)

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Wildcat #1-4 map of Orange, Riverside, and San Bernardino Counties, no active or abandoned oil wells were found within a one mile radius of the subject site.

#### 4.1.11 Heating and Cooling Systems

No cooling systems are located on-site. Heating systems for the on-site residents are fueled by propane. Propane is also used in some of the shop areas for portable space heaters.

#### 4.1.12 Stressed Vegetation, Corrosion and Stained Soil or Pavement

Minor surficial staining was noted in some of the hazardous materials storage areas on site. It is likely that chemical handling in these areas has resulted in spills. No significant spills or releases are known to have occurred.

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#### 5.0 REGULATORY AGENCY REVIEW

A regulatory database search was performed by VISTA. The VISTA Report is provided as Appendix A.

McLaren/Hart's review of the VISTA Report included evaluating sites located within one-quarter mile of the subject site for the following considerations:

Direction of regional groundwater flow in relation to the listed risk site; Direction and distance the subject site is located from the listed risk site; Current case status of the listed risk site; Reported media affected by the listed risk site; Potential to impact ground water at the subject site; and Data recorded from sampling monitoring wells and reported to the agency.

The subject site did not appear on the VISTA report.

There are 21 LUST cases located within ¼ mile of the subject site. All of these sites are located on the USMCAS property at El Toro, California (El Toro). The eastern portion of the El Toro property abuts the Borrego Canyon Wash, which is at the western perimeter of the subject site. The El Toro property consists of approximately 4700 acres developed with an action air station operated by the United States Marine Corps. The site is also identified as a National Priorities List (NPL) site, and has commenced closure as part of the Base Realignment and Closure (BRAC) program for military sites. Site characterization activities commenced at El Toro during 1990 as part of the Installation Restoration Program (IRP).

McLaren/Hart completed an agency records review at the Regional Water Quality Control Board (RWQCB), Riverside, California office for the El Toro site. The RWQCB is one of the designated agencies overseeing closure of the facilities. Due to the large quantity of public

records on file for this site, McLaren/Hart completed a focused review of information on file for the period from mid 1997 to the present. The purpose of the review was to confirm the status of the NPL site and identify the schedule for further investigation or characterization which might identify potential impacts to the subject site. The following information was obtained from McLaren/Hart's review:

- The El Toro site was commissioned in 1943 to support the Fleet Marine Forces in the Pacific Ocean. A total of 22 potentially contaminated areas were identified at the site during the Remedial Investigation/Feasibility Study (RI/FS) Phase I portion of the project. Phase I was completed in 1992-1993. Phase II of the RI/FS was completed in 1995/1996. Currently 25 sites are included in the Proposed Plan for remediation and delisting as a Superfund site.
- Twelve of the 25 identified potential locations have been identified as No Further Action areas. Appendix C contains a map and a brief description of the identified sites.
- Four landfills containing both hazardous and solid waste were located on-site. The landfills and various hazardous materials storage areas on-site are suspected of contributing to a regional groundwater problem which includes volatile organic compounds (VOCs) extending over a 3-mile radius off base. No drinking water sources have been contaminated; however, the downgradient Upper Newport Bay Ecological Reserve was potentially threatened due to surface water impacts. The Department of the Navy entered into an agreement with the Orange County Water District in October 1997 for cleanup of groundwater contaminants resulting from the El Toro site. The agreement covers a 20 year period; however, projections for groundwater extraction and treatment indicate that the shallow water bearing zones may be dewatered within 15 years of project startup. Available plume maps indicate that the majority of VOC contamination is located downgradient from the subject site and will not impact the subject site.
- Sites 1 and 2 at El Toro are located west of the Borrego Canyon Wash. Site 1 is an Explosive Ordnance Disposal Range (EODR) and Site 2 is the Magazine Road Landfill. The EODR was identified as an active training facility in December 1997 with no

proposed environmental work to be completed until July 1999. The EODR is located in Operable Unit 3 (OU-3). The Proposed Plan identifies January 2000 as the projected date for the RI draft to be prepared.

- At least one UST was located at Site 1 and removed in February 1997. The RWQCB approved the closure in January 1998. The closure report was not available for review at the time of McLaren/Hart's agency research.
- The Magazine Road Landfill, Site 2, was used from the 10950s until 1980. This landfill accepted all solid waste generated at El Toro. According to the Draft Record of Decision (dated November 1998) for this area, semiannual groundwater monitoring is proposed for the initial 5 years with annual monitoring to be performed for the following 25 years. Groundwater in the vicinity of the this area is found at 30-60 feet below grade and reported to contain VOCs with trichloroethylene (TCE) and perchloroethylene (PCE) as the predominant contaminants. TCE was reported at 190 parts per billion (ppb) and PCE was reported at 11-12 ppb. The Cal-EPA Department of Toxic Substances Control (DTSC) was identified as an agency reviewing the draft ROD; however, written comments were not available at the time of McLaren/Hart's agency review. The DTSC Cypress, California office indicated that public information would not be available until March 1999 due to boxing and moving of files associated with the federal facilities.

#### 6.0 FINDINGS AND CONCLUSIONS

McLaren/Hart performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-97 of the Baker Ranch property located at Lake Forest, California (subject site). Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject site, except for the following:

#### 6.1 ON-SITE ISSUES

nere are several areas of the subject site where hazardous materials are currently stored or handled. The primary areas where a release or spill are considered likely to have occurred include the following:

- 1) Maintenance Yard, two former Underground Storage Tanks for gasoline and diesel fuel only one of the tanks has a documented closure which was approved by OCHCA. Additional agency records were requested from OCHCA and a response is still pending. Soil sampling results for Tank T-1 used for gasoline storage indicated no release had occurred. No soil sampling or closure records were located for Tank T-2, described as a 10,000 gallon tank.
- Nursery Shop Fuel Storage Tanks and Containment; secondary containment area is equipped with a stormwater check valve and drain for the release of accumulated rainwater. Native soils surround this area and slope downgradient towards the Borrego Creek. No staining was observed from the drainage path; however a release of fuel could impact subsurface soils.

Pesticide Mixing Area; bulk pesticide mixing occurs west of the Sea Tree Maintenance Yard at the northeast portion of the site. No reported releases have occurred; however, historical use of pesticides at the site is not well documented. It is possible that small quantities of banned or discontinued pesticides may be present in surficial soils at the storage shed and at the mixing area.

The subject site has been developed for agricultural use since approximately the 1960s. It is likely that currently banned or restricted pesticides may have been applied to the groves and/or nursery plants. The presence of these pesticides may present an environmental condition during redevelopment (grading, construction) of the property. The subject site is currently proposed for redevelopment as a commercial business park. The presence of residual pesticides at commercial developments typically does not require further assessment except for the purposes of protecting construction workers during site development. Limited sampling of surficial soils may be warranted to confirm the presence and level of suspected pesticides.

#### 6.2 Off-site Issues

There was one off-site issue identified which has a potential to impact the subject site:

Sites 1 and 2 at El Toro are located west of the Borrego Canyon Wash. Site 1 is an Explosive Ordnance Disposal Range (EODR) and Site 2 is the Magazine Road Landfill. The EODR was identified as an active training facility in December 1997 with no proposed environmental work to be completed until July 1999. The EODR is located in Operable Unit 3 (OU-3). The Proposed Plan identifies January 2000 as the projected date for the RI draft to be prepared.

Borrego Canyon Wash; a significant drainage trench that borders the western portion of the site acts as a conduit for stormwater and runoff from both the subject site and the adjacent El Toro NPL site. The southern portion of the wash (south of the subject site) is included as Site 25 which has been identified as a no further action site for the Superfund investigation, primarily due to waste oil being the only identified contaminant (from stormwater discharges).

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#### 7.0 SOURCE OF INFORMATION

#### 7.1 AGENCIES CONTACTED

Department:

Orange County Building Department

Location/Phone:

Lake Forest, California

Purpose:

**Building Permits** 

Department:

Orange County Health Care Agency

Location/Phone:

515 N. Sycamore Street, Suite 120, Santa Ana, California

Purpose:

Remediation, USTs, Leaking USTs

#### 7.2 SOURCE OF AERIALS

Continental Aerial Photo, Inc.

Los Alamitos, California

#### FIGURES AND APPENDICES ARE AVAILABLE IN THE ORIGINAL REPORTS IN THE PROJECT FILES



March 19, 1999

Gene Spindler Shea Properties 26137 La Paz, Suite 200 Mission Viejo, CA 92691-5309

RE: RESULTS OF LIMITED SOIL SCREENING EVALUATION OF BAKER RANCH, TENTATIVE TRACT NO. 13336, LAKE FOREST CALIFORNIA (03.0603766.001)

#### Dear Gene:

This report summarizes the results of the Limited Soil Screening Evaluation of the above-referenced property (Property). The work was performed in accordance to the McLaren/Hart proposal dated February 22, 1999. The scope of work performed herein was based on site-specific data obtained during the Phase I Environmental Site Assessment (Phase I ESA) prepared by McLaren/Hart dated February 16, 1999. The purpose of this evaluation was to provide a screening for soil contamination by collecting and analyzing soil samples from areas of potential environmental concern identified during the Phase I ESA.

#### FIELD INVESTIGATION

The following sections summarize the sampling and laboratory analyses of soils at or near specific features identified as having the potential for environmental concern in the Phase I ESA. McLaren/Hart performed the work in accordance to its standard field procedures for subsurface soil sampling as outlined in Attachment A. All chemical analyses described herein were performed on a 48-hour turn-around time basis. Analytical Data Sheets and Chain-of - Custody Documentation are included as Attachment B.

Soil at the Property was composed of primarily sand and silty sand. In the area of the Maintenance yard, a fine-grained sandstone (bedrock) was encountered at a depth ranging from 4 to 5 feet. In the area of the scrap lay-down yard, minor to abundant gravel was encountered.

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#### Underground Storage Tanks at Baker Ranch Maintenance Yard

The Phase I ESA indicated that two underground storage tanks for petroleum were previously located at the Baker Ranch Properties Maintenance Yard. The location of the Maintenance Yard is shown on Figure 2 and the location of tanks T1 and T2 are shown on Figure 2. One of the tanks (Tank T1) which was used for gasoline storage has a documented closure which was approved by Orange County Health Care Agency (OCHCA). Soil sampling results included in the closure file for Tank T1 did not indicate that a release had occurred.

On a map prepared by Ami Adini & Associates, Inc. dated November 1991, Tank T2 which was described as a 10,000-gallon tank, and is noted as being "now A/G" (above-ground). McLaren/Hart originally proposed to perform a geophysical survey in the area of Tank T2. In a conversation with Chris Veech of Baker Ranch on February 24, 1999, Mr. Veech stated that 1) Tank T2 was never below ground at the location shown on the map; 2) Tank T2 was only stored at the location indicated on the map; and 3) Tank T2 was previously used as an underground fuel storage tank at a location outside of the present extent of the Property. Based on this new information and discussions with Shea Properties, the proposed geophysical survey was not performed.

Three Geoprobe<sup>®</sup> borings (AST-1 through AST-3) were advanced where Tank T-2 was aboveground in the Maintenance Yard. The locations of the borings are shown on Figure 3. Soil samples were collected at depths of 0.5 and 4 feet from each boring. Deeper samples could not be obtained in this area due to the presence of consolidated sandstone (bedrock) encountered at a depth of approximately 4.5 feet. Soil samples from the depths of 0.5 feet were analyzed for total petroleum hydrocarbons (TPH) as gasoline and diesel; benzene, ethylbenzene, toluene, and total xylenes (BTEX); and methyl tert-butyl ether (MTBE) using combined EPA Methods 8015M and 8021. No chemicals were detected by the above analyses above the laboratory detection limits. Therefore, the 4-foot samples were not analyzed.

#### Maintenance Yard Fertilizer Tanks

Two Geoprobe® borings (PAST-1 and PAST-2) were drilled to a depth of 5 feet adjacent to the fertilizer tanks which contained a zinc-based fertilizer. Soil samples were collected at depths of 0.5 and 5 feet. The locations of the borings are shown on Figure 2. The soil samples from 0.5 feet were analyzed for zinc using EPA Method (6010/7000). Zinc was detected in these samples at concentrations of 19.8 mg/kg and 20.9 mg/kg. These concentrations are:

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- 1) Within the background range of natural element content in soil (USEPA Office of Solid Waste and Emergency Response Hazardous Waste Land Treatment, SW-874, April 1983);
- 2) Below the hazardous waste criteria contained in Title 22 California Code of Regulations (CCR) limit for zinc; and,
- 3) Less than the 1998 U.S. Environmental Protection Agency (EPA) Region 9 Preliminary Remediation Goal for zinc in residential soil of 22,000 mg/kg.

Thus, the 5-foot samples were not analyzed.

#### Above Ground Petroleum and Pesticide Storage Tank Area

Six Geoprobe\* borings (AST-4 through AST-9) were drilled to a depth of 5 feet in the above ground storage tank area. The locations of the borings are shown on Figure 2. Soil samples were collected at depths of 0.5 and 5 feet. The samples from 0.5 feet were analyzed for TPH as gasoline and diesel plus BTEX and MTBE using EPA Methods 8015M and 8021, and pesticides using EPA Method 8080. No chemicals were detected by the above analyses above the laboratory detection limits. Therefore, the 5-foot samples were not analyzed.

#### **Pesticide Storage Shed**

Five Geoprobe<sup>\*</sup> soil borings (PST-1 through PST-5) were drilled to a depth of 5 feet adjacent to the Pesticide Storage Shed. The locations of the borings are shown on Figure 2. Soil samples were collected from depths of 0.5 and 5 feet. The soil samples collected from the 0.5-foot depths were analyzed for pesticides using EPA Method 8080. No chemicals were detected by the above analyses above the laboratory detection limits. Therefore, the 5-foot samples were not analyzed.

#### Pesticide Mixing Area

Three Geoprobe° borings (MIX-1 through MIX-3) were drilled to a depth of 5 feet in the area of the pesticide mixing area. The location of the pesticide mixing area and the borings are shown on Figure 2. Soil samples were collected at depths of 0.5 feet and 5 feet. The 0.5-foot samples were analyzed for pesticides using EPA Method 8080. No chemicals were detected by the above analyses above the laboratory detection limits. Therefore, the 5-foot samples were not analyzed.

#### Shop Fuel Storage Tanks and Containment, and Surrounding Area

Three Geoprobe® soil borings (SEA-1, Drain-1, and HA-9) were drilled the area of the shop fuel storage tank and containment area, and surrounding area. The locations of the borings are

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shown on Figure 1. The locations were selected in the field based on their proximity to the containment drain-pipe, the fuel and oil dispensing area, and an area where oil-like staining was observed. Soil samples were collected at depths of 0.5 and 5 feet at locations SEA-1 and HA-9. The 5-foot sample from Drain-1 was not collected due to hard soil at 2 feet, which prevented deeper sampling. The soil samples from 0.5 feet were analyzed for TPH as gasoline and diesel plus BTEX and MTBE using EPA Methods 8015M and 8021. No chemicals were detected by the above analyses above laboratory detection limits. Therefore, the 5-foot samples were not analyzed.

#### Scrap Lay-down Area

Eight Geoprobe\* borings (HA-1 through HA-8) were drilled to a depth of 5 feet in the scrap lay-down area. Soil samples were collected at depths of 0.5 and 5 feet. The locations of the borings are shown on Figure 3. The soil samples from 0.5 feet were analyzed for TPH as gasoline and diesel plus BTEX and MTBE using EPA Methods 8015M and 8021, and for pesticides using EPA Method 8080. No chemicals were detected by the above analyses above the laboratory detection limits. Therefore, the 5-foot samples were not analyzed.

#### **Avocado Grove Sampling**

The Baker Ranch property presently contains three avocado groves at which various fertilizers and pesticide applications have been and are presently made. The groves are numbered #2, #3, and #4-Pinkerton. The locations of the groves are shown on Figure 1. In each grove, two low-lying locations were selected for sampling. One hand-auger soil boring was drilled to a depth of 3 feet at each location (six total). The locations of the borings are shown on Figure 1. Soil samples were collected at depths of 0.5 and 5 feet were analyzed for pesticides using EPA Method 8080. No chemicals were detected by the above analyses above the laboratory detection limits. Therefore, the 5-foot samples were not analyzed.

#### SUMMARY OF RESULTS OF INVESTIGATION

With the exception of zinc, no chemicals were detected above their respective detection limit in those samples analyzed. Zinc was detected in the two soil samples collected from a depth of 0.5 feet adjacent to the Maintenance Yard Fertilizer Tanks at concentrations of 19.8 mg/kg and 20.9 mg/kg. These concentrations are:

- 1) Within the background range of natural element content in soil (USEPA Office of Solid Waste and Emergency Response Hazardous Waste Land Treatment, SW-874, April 1983);
- 2) Below the hazardous waste criteria contained in Title 22 CCR limit for zinc; and,

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3) Less than the 1998 U.S. EPA Region 9 Preliminary Remediation Goal for zinc in residential soil of 22,000 mg/kg.

The laboratory analytical data sheets, chain-of-custody forms, and QA/QC data are included as Attachment B.

If you have any questions regarding this report, please call me at (949) 752-3200 or Todd Overturf at (949) 752-3220.

Sincerely,

Douglas W. Jones, P.E.

Senior Vice President

Todd Overturf

Senior Associate Geoscientist

Attachments

cc: Joel S. Moskowitz, Esq., Moskowitz, Brestoff, Winston, & Blinderman, LLP

# Figures

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		:
		***************************************
		:
•		udeno.

FIGURE 2
BAKER RANCH
MAINTENANCE YARD
SOIL SAMPLING LOCATIONS
LAKE FOREST, CA

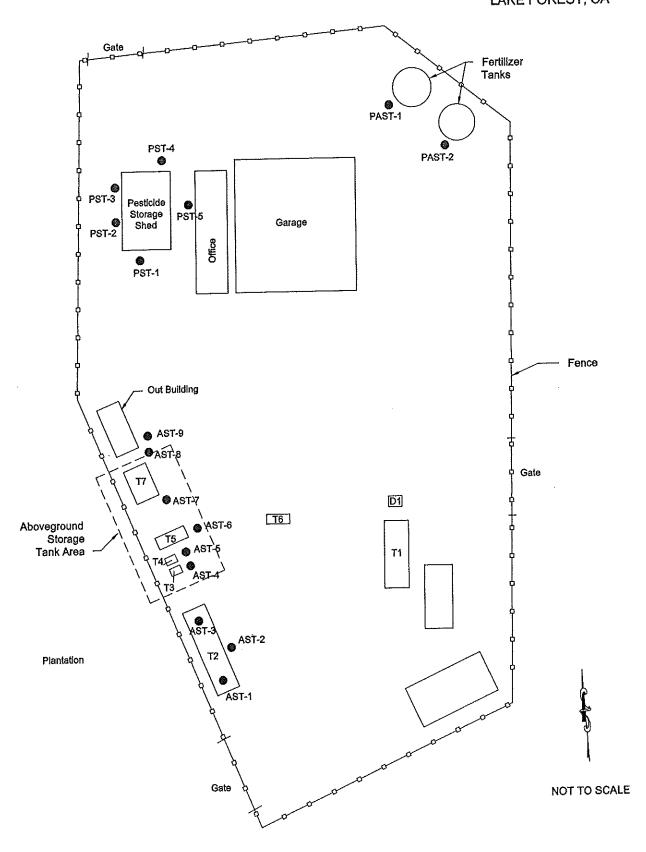
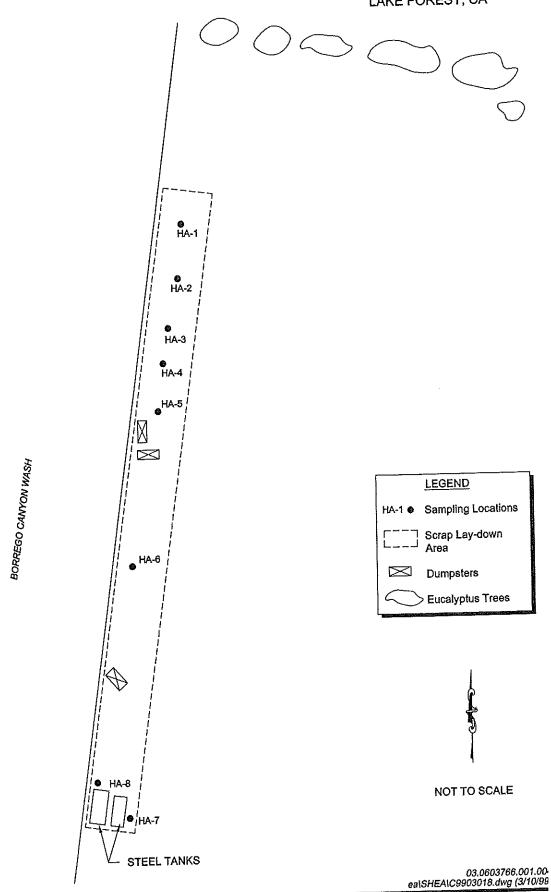




FIGURE 3 SCRAP LAY-DOWN SAMPLING LOCATIONS SEATREE NURSERY LAKE FOREST, CA



## Attachment A

# McLaren/Hart Standard Field Procedures

#### McLAREN/HART STANDARD PROTOCOL FOR COLLECTION OF SOIL SAMPLES USING A GEOPROBE®

A Geoprobe® is a truck-mounted, hydraulically operated sampling unit designed to collect soil, soil gas, and groundwater samples at discrete depths. Soil samples are obtained in acetate or brass tubes by driving a two-foot long, stainless steel sampler equipped with an internal, moveable piston to a position just above the desired sampling depth. After the sampler is properly positioned, the internal piston is released. The piston drives the sampler lined with the soil sample tube twenty-four inches ahead of (deeper than) the Geoprobe tool, allowing undisturbed soil to enter the sampler lines with sample tubes. The sampler is then withdrawn and the soil sample is removed from the sampler.

The lowermost tube from each sampled interval is trimmed of excess soil, sealed with squares of Teflon sheeting, plastic end caps, and waterproof tape, labeled, and stored on ice in a thermally-insulated ice chest. A sample label is attached to each sample tube identifying the date the sample was collected, a unique identification number, and other identifying information. Samples are couriered or shipped under chain-of-custody procedures to a Statecertified hazardous waste testing laboratory.

A portion of the sample not wrapped for analysis is inspected for texture, color, moisture content, hydrocarbon odor, and other distinguishing characteristics. The lithology is logged using the Unified Soils Classification System and is recorded on a soil boring log.

Another portion of the soil is extruded into a plastic airlock bag for headspace analysis. The bag is sealed immediately and left to stand for a few mixtures to allow volatile gases to enter the headspace of the bag. A photoionization detector (PID) calibrated to isobutylene or flame ionization detector (FID) is used in the field to analyze the headspace gases. Headspace readings are included on the soil boring logs.

Prior to sampling and between samples, all reusable sampling equipment is decontaminated by washing in a solution of trisodium phosphate and water. The equipment is then double-rinsed in distilled water.

Geoprobe activities create a minimum of soil cuttings. Soil cuttings which are generated are temporarily stored in 15-gallon containers and left on-site pending the receipt of final laboratory data. Geoprobe borings are backfilled using hydrated granular bentonite or bentonite chips.

### Attachment B

Laboratory Data Sheets,
COC forms, and QA/QC
Data



### AMERICAN SCIENTIFIC LABORATORIES, LLC Environmental Testing Services

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Number of Pages: 3

Date Received : 02/25/99

Date Reported : 03/01/99

Attn : Todd Overturf Phone: 949/756-2667

ASL Job Number: 4682

Project Name : Shea Homes

Project Number: 030603766.001.003

Site: Lake Forest

Enclosed are the results of analyses on 6 soil samples analyzed as specified on attached chain of custody.

Checked By

LABORATORY DIRECTOR

Page

Environmental Testing Services

Ĉ Ш 0 (I)L 4 555 P Remarks 48HC 五 ANALYSIS REQUESTED ASL JOB#\_ 53975 JS81 Preservation & Sold 人 × × X  $\prec$ × × × X Ì シシ 3225 San Fernando Road, LA, CA 90065 Tel: (213) 254-7700 • Fax: (213) 254-7799 Report To: Invoice To: Matrix <u>\_</u> ? Address: Address: P.O.#; Container(s) Bass Type Site Address: Lake Forest Project Name Sher Homes Manager: T. Overtvrt Project ID: 03/6,001,003 2001 0360 0111 0460 1020 1850 0930 1030 1000 1040 Time 2/25/49 SAMPLE DESCRIPTION Date P A63-1-05 462-2-0'S A64-2-0.5 A62-1-0.5 H A62-2-3 AC4-2-3 AC4-1-0.5 A64-1-3 A62-1-3 Sample 1D Address: 16755 15, Lesmin Are Irvine CA 92606
Telephone: 444-752-3220
Fax: 949-756-8460 Again /Hat LAB USE ONLY Special Instruction: Lab ID 2 31495 131497 31494 13/18/1 Company:

 $\vdash \mathsf{W} \mathsf{\Sigma}$ 

White - Report, Yellow - Laboratory, Pink - Client

Condition of Sample:

Relinquished By:

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Time

Date

Relinquished By:

Date 2/25/99 Time 1200

A63-1-3

Collected By: Alk

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Date 2/25

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سمار (213) 254-7700 " Fax: (213) 254-7799 (213) 254-7700 " Fax: (213) 254-7799 (213) 254-7799								ゴカズ	イのこうの形様しから	
Company: MCL	Metara Mart Inc.	***************************************	***************************************		Report To:			ANALY	ANALYSIS REQUESTED	
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INIA CA 92606		Site Address: Lak Forst	12 E	12	Invoice To:	A COLUMN TO THE PROPERTY OF TH				
Telephone: Fax:		ACTION AND ADDRESS OF THE PARTY			Address:		Si			
Special Instruction:		Project ID: & 30603766, vol.	1603766.	001.003			H.C.S.			
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Condition of Sample:						7				K Hush



# AMERICAN SCIENTIFIC LABORATORIES, LLC Environmental Testing Services

#### ANALYTICAL RESULTS

ASL Job No: 4682

Project ID: 030603766.001.003

Project Name: Shea Homes

Page: 2

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Site:

Lake Forest

Phone: 949/756-2667

Attn: Todd Overturf

Method: (8080)
Organochlorine Pesticides
Matrix: Soil
Units: ug/kg

Lab ID: 31494 31495 31496 AG4-1-0.5 02/25/99 02/26/99 AG2-1-0.5 02/25/99 AG2-2-0.5 02/25/99 02/26/99 Sample No: Date Sampled: Date Extracted: 02/26/99 Detection 02/26/99 02/26/99 Date Analyzed: 02/26/99 Limit

Aldrin Alpha-BHC ND ND ND Beta-BHC ΝĎ ND ND Chlordane ND ΝĎ ND 4,4' DDD 4,4' DDE 4,4' DDT ND ND ND ND ND ND ΝĎ ND ΝĎ Delta-BHC ND Dieldrin ND ND ΝĎ Endosulfan I ND ND ND Endosulfan II ND ΝĎ ND Endosulfan Sulfate ND ND ND Endrin ND ND ND Endrin Aldehyde ΝĎ ND ΝĎ Gamma-BHC (Lindane) ND ΝĎ Heptachlor ND ΝĎ ИĎ Heptachlor Epoxide ND ND ΝĎ Methoxychlor ND ND ND Toxaphene

#### Quality Control Report

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Aldrin	72	73	1
4,4' DDT	80	85	6
Dieldrin	70	70	< 1
Endrin	120	115	4
Gamma-BHC(Lindane)	66	66	< 1
Heptachlor	82	83	1



Environmental Testing Services

#### ANALYTICAL RESULTS

ASL Job No:

4682

030603766.001.003

Project ID: 030603766. Project Name: Shea Homes

Page: 3

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200 Irvine, CA 92606-4918

Attn: Todd Overturf

Site:

Lake Forest

Phone: 949/756-2667

Method:

Matrix:

Units:

Lab ID:

Sample No:

Date Sampled: Date Extracted:

Date Analyzed:

(8080)

Organochlorine Pesticides

Soil

ug/kg

31497 AG4-2-0.5 02/25/99 02/26/99

02/26/99

ND

ND

ND

AG3-1-0.5 02/25/99 02/26/99 02/26/99

31498

31499 AG3-2-0.5

ND

ND

ND

ND

02/25/99 02/26/99 02/26/99

Detection Limit

Aldrin Alpha-BHC Beta-BHC Chlordane

4,4' DDD 4,4' DDE 4,4' DDT

Delta-BHC Dieldrin Endosulfan I

Endosulfan II Endosulfan Sulfate Endrin

Endrin Aldehyde Gamma-BHC(Lindane)

Heptachlor Heptachlor Epoxide

Methoxychlor Toxaphene

ND ND ND ND ΝĎ ND ND ND ЙD ND ND ND ΝĎ ΝĎ ND ND ND ND ND ΝĎ ND ИD ΝĎ ΝĎ ND ND ND ND ИĎ ΝĎ Ν̈́D ΝĎ ΝĎ ND ND ND Ν̈́Ď ΝĎ ΝĎ ND Ν̈́Ö

ND

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Quality Control Report

	Spike	Spike DUP.	AVG
	%REC.	%REC.	RPD
Aldrin 4,4' DDT Dieldrin Endrin Gamma-BHC(Lindane) Heptachlor	72 80 70 120 66 82	73 85 70 115 66 83	1 6 < 1 4 < 1



Environmental Testing Services

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Number of Pages: 11

Date Received : 03/02/99

Date Reported : 03/04/99

Attn: Todd Overturf Phone: 949/756-2667

ASL Job Number: 4708

Project Name : Shea Homes

Project Number: 030603766.001.003

Site: Lake Forest

Enclosed are the results of analyses on 13 soil samples analyzed as specified on attached chain of custody.

Checked By

Approved By

ROJERT G. ARAGHÍ LABORATORY DIRECTOR

Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (213) 254-7700 • Fax: (213) 254-7799

ASL JOB# 4708

						ASC 300#	*
Company: Myaza Hart	Hart Iv	A SAME THE PARTY OF THE PARTY O		PP91 :0	Overturt	ANALYSIS REQUESTED	
Address: 16755 Van Karman	₹ 1	Project Name: Shen Hams	Homs	Address:			
Take CA	97606	Site Address: Lyke	Lake Forest	Invoice To:	815		
Telephone: 949-752-3220	-3220			Address:	Die		
Special Instruction:		Project ID: 030603766, 001, 003	5766,001.003		EX +		and the second
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1 LAB USE ONLY	SAMPLE D	DESCRIPTION	Container(s)	) }			Remarks
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2 31027	HAZ-0.5	5460	15%		× × ×		
	HA-2-3.5	5560	N		×		
3 31028	HA-3-0,5	1000	0		×××		
	HA-3-5	5101	5				
4 31629	117-4-0,5	1020	8		×××		
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Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (213) 254-7700 • Fax: (213) 254-7799

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Address:		Project Name:			Address:					
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Condition of Sample:		- Western Art								



Environmental Testing Services
3225 San Fernando Road, LA, CA 90065 Tel: (213) 254-7700 • Fax: (213) 254-7799

								ASL JOB#	OB# 470公	
Company:	)M/r-)				Report To:			ANALYSIS	S REQUESTED	
Address:		Project Name:	She Horse	25 C	Address:					
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Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No:

4708

030603766.001.003

Project ID:

Project Name: Shea Homes

Page: 2

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200 Irvine, CA 92606-4918

Lake Forest

Phone: 949/756-2667

Attn: Todd Overturf

(8015M/DHSLUFT)

TPH as Diesel Range Organics

Soil

mg/kg

Lab ID:

Method:

Matrix:

Units:

Sample No: Date Sampled:

Date Extracted: Date Analyzed:

03/03/99 03/03/99 ND

31626

HA-1-0.5

03/02/99

ND

31627

HA-2-0.5

03/02/99 03/03/99

03/03/99

31628

HA-3-0.5 03/02/99 03/03/99

03/03/99

31629

HA-4-0.5

03/02/99

03/03/99

03/03/99

Detection

Limit

TPH DRO(C13-C22)

	Quality 0	ontrol Report			
Lab ID:	31626	31627	31628	31629	
Surrogate %REC. Chlorobenzene	87	84	83	84	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD		
TPH as Diesel	93	93	< 1		



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No: Project ID: 4708

030603766.001.003

Page: 3

Project Name: Shea Homes

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200 Irvine, CA 92606-4918

Attn: Todd Overturf

Site:

Lake Forest

Phone: 949/756-2667

Method:

(8015M/DHSLUFT)

31630

HA-5-0.5

03/02/99

03/03/99

03/03/99

TPH as Diesel Range Organics

Soil

mg/kg

Lab ID: Sample No: Date Sampled: Date Extracted:

Matrix:

Units:

Date Analyzed:

TPH DRO(C13-C22)

ND

ND

31631

HA-6-0.5

03/02/99

03/03/99

03/03/99

ИD

31632

HA-7-0.5

03/02/99 03/03/99

03/03/99

ND

31633

HA-8-0.5

03/02/99

03/03/99

03/03/99

Detection

Limit

Quality Control Report 31633 31632 31630 31631 Lab ID: Surrogate %REC. 81 81 Chlorobenzene Spike DUP. AVG. Spike

TPH as Diesel

%ŘEC. 93

%REC.

93

RPD

< 1



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No: 4708
Project ID: 030603766.
Project Name: Shea Homes

030603766.001.003

Page: 4

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200 Irvine, CA 92606-4918

Attn: Todd Overturf

Site:

Lake Forest

Phone: 949/756-2667

(8015M/DHSLUFT)

TPH as Diesel Range Organics

Soil

mg/kg

Lab ID: Sample No:

Method:

Matrix:

Units:

Date Sampled: Date Extracted:

Date Analyzed:

31636 31635

31634 HA-9-0.5 03/02/99 DRAIN-1-0.5 03/02/99 03/03/99

03/03/99 03/03/99 03/03/99

AST-2-0.5 03/02/99 03/03/99 03/03/99

31637 AST-1-0.5 03/02/99 03/03/99 03/03/99

Detection Limit

TPH DRO(C13-C22)

TPH as Diesel

ND

ND

ND

10

	Quality C	ontrol Report			
Lab ID:	31634	31635	31636	31637	
Surrogate %REC. Chlorobenzene	84	83	101	82	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD		
TDH as Diesel	93	93	< 1		



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No: Project ID: 4708

030603766.001.003

Project Name: Shea Homes

Page: 5

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Attn: Todd Overturf

Lake Forest

Phone: 949/756-2667

Method:

Matrix: Units:

Lab ID: Sample No:

Date Sampled: Date Extracted: Date Analyzed:

TPH DRO(C13-C22)

(8015M/DHSLUFT)

TPH as Diesel Range Organics

Soil mg/kg

> 31638 AST-3-0.5 03/02/99 03/03/99 03/03/99

Detection Limit

ND

10

Quality Control Report

Lab ID:

31638

Surrogate %REC. Chlorobenzene

104

Spike %REC.

Spike DUP. %REC.

AVG. RPD

TPH as Diesel

93

93

< 1



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No:

4708

030603766.001.003

Project ID: Project Name: Shea Homes

Page: 6

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Site:

Lake Forest

Phone: 949/756-2667

Attn: Todd Overturf

[8015MOD/8020] TPH as Gasoline/BETX & MTBE Soil ug/kg

Matrix: Units:

Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:

Method:

31629 31628 31627 31626 HA-3-0.5 03/02/99 HA-4-0.5 HA-2-0.5 HA-1-0.503/02/99 03/02/99 03/03/99 03/02/99 03/03/99 03/03/99 Detection 03/03/99 03/03/99 03/03/99 Limit 03/03/99 03/03/99

Benzene Ethylbenzene Toluene Xylenes (Total) MTBE TPH as Gasoline

ND ND ND ND ND ND ИĎ ИĎ ЙÜ ИD ÜΪ 10 ND ND ND ND 20 ND ND ND ND 1.0(mg/Kg) ND ND ND

	Quality C	ontrol Report			
Lab ID:	31626	31627	31628	31629	
Surrogate %REC. Bromofluorobenzene	90	88	88	92	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD		
Benzene Toluene	102 99	105 102	2.9 3		



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No:

4708

030603766.001.003

Project ID: 030603766.0 Project Name: Shea Homes

Page: 7

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Site:

31631

Lake Forest

Phone: 949/756-2667

Attn: Todd Overturf

Method: Matrix: Units: Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:

[8015MOD/8020] TPH as Gasoline/BETX & MTBE Soil ug/kg

HA-5-0.5 03/02/99 HA-6-0.5 03/02/99 03/03/99 03/03/99 03/03/99 03/03/99

31630

31633 31632 HA-8-0.5 HA-7-0.5 03/02/99 03/02/99 03/03/99 03/03/99 03/03/99 03/03/99

Detection Limit

Benzene Ethylbenzene Toluene Xylenes(Total) MTBETPH as Gasoline

ND	MTO	ND	ND	5
ND ND	ND	ND	ND	5
ND	ND ND	ND	ND	5
ND	1311.3	ND	***	
	ND ND	ND		1.0(mg/Kc

	Quality C	ontrol Report		
Lab ID:	31630	31631	31632	31633
Surrogate %REC. Bromofluorobenzene	87	95	99	92
	Spike %REC.	Spike DUP. %REC.	AVG. RPD	
Benzene Toluene	102 99	105 102	2.9	



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No: Project ID:

Method:

4708

030603766.001.003

Project Name: Shea Homes

Page: 8

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Site:

Lake Forest

Attn: Todd Overturf

Phone: 949/756-2667

[8015MOD/8020] TPH as Gasoline/BETX & MTBE Soil ug/kg

Matrix: Units: Lab ID:

Sample No: Date Sampled: Date Extracted: Date Analyzed:

31637 31636 31634 31635 AST-1-0.5 03/02/99 03/03/99 DRAIN-1-0.5 HA-9-0.5 AST-2-0.5 03/02/99 03/03/99 03/02/99 03/02/99 Detection 03/03/99 03/03/99 03/03/99 03/03/99 03/03/99 Limit 03/03/99

Benzene Ethylbenzene Toluene Xylenes (Total)  $\mathtt{MTBE}$ TPH as Gasoline

ND	ND	ND	ND	5
ለከን	ND	ND	ND	D D
MD	ND	NIJ	йD	3
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MD	ND	ND	ND	20
MD	ND	ND	MD	# ' O (

	Quality C	ontrol Report			
Lab ID:	31634	31635	31636	31637	
Surrogate %REC. Bromofluorobenzene	87	86	95	95	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD		
Benzene Toluene	102 99	105 102	2.9 3		



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No:

4708

030603766.001.003

Project ID: 030603766.0 Project Name: Shea Homes

Page: 9

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Attn: Todd Overturf

Site: Lake Forest

Phone: 949/756-2667

Method:

Matrix: Units:

Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:

[8015MOD/8020]

TPH as Gasoline/BETX & MTBE

Soil ug/kg

> AST-3-0.5 03/02/99 03/03/99

03/03/99

Detection Limit

Benzene Ethylbenzene Toluene Xylenes(Total) MTBE TPH as Gasoline ND ND 20 ND ND 1.0(mg/Kg)

### Quality Control Report

Lab ID:

Benzene Toluene 31638

Surrogate %REC. Bromofluorobenzene

Spike	Spike DUP.	AVG.
%REC.	%REC.	RPD
102	105	2.9
99	102	3



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No: 4708 Project ID: 030603766. Project Name: Shea Homes

030603766.001.003

Page: 10

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200 Irvine, CA 92606-4918

Attn: Todd Overturf

Heptachlor

Toxaphene

Methoxychlor

Heptachlor Epoxide

Site:

Lake Forest

Phone: 949/756-2667

Method: Matrix: Units:	(8080) Organochlori: Soil ug/kg	ne Pesticides			
Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:	31626 HA-1-0.5 03/02/99 03/03/99 03/03/99	31627 HA-2-0.5 03/02/99 03/03/99 03/03/99	31628 HA-3-0.5 03/02/99 03/03/99 03/03/99	31629 HA-4-0.5 03/02/99 03/03/99 03/03/99	Detection Limit
Aldrin	ND	ND	ND	ND	2
Alpha-BHC	ND	ND	ND	ND	2
Beta-BHC	ND	ND	ND	ND	2
Chlordane	ND	ND	ND	ND	17
4,4' DDD	ND	ND	ND	ND	4
4,4' DDE	ND	ND	ND	ND	4
4,4' DDT	ND	ND	ND	ND	4
Delta-BHC	ND	ND	ND	ND	2
Dieldrin	ND	ND	ND	ND	4
Endosulfan I	ND	ND	ND	ND	2
Endosulfan II	ND	ND	ND	ND	4
Endosulfan Sulfate	ND	ND	ND	ND	4
Endrin	ND	ND	ND	ND	4
Endrin Aldehyde	ND	ND	ND	ND	4
Gamma-BHC(Lindane)	ND	ND	ND	ND	2

### Quality Control Report

ND

Ν̈́Ď

ND

ND

ND

ND

ND

ЙĎ

ΝĎ

ИĎ

ND

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Aldrin	84	77	10
4.4' DDT	112	110	3
Dieldrin	93	86	9
Endrin	94	88	7
Gamma-BHC(Lindane)	77	68	14
Heptachlor	79	73	10

ΝĎ

ND

ND

ND



Environmental Testing Services

### ANALYTICAL RESULTS

4708 ASL Job No:

Report To: (MCLH)

Project ID: 030603766.0 Project Name: Shea Homes 030603766.001.003

Lake Forest

Page: 11

McLaren Hart 16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Phone: 949/756-2667

Attn: Todd Overturf

Method: Matrix: Units:	(8080) Organochlorii Soil ug/kg	ne Pesticides			
Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:	31630 HA-5-0.5 03/02/99 03/03/99 03/03/99	31631 HA-6-0.5 03/02/99 03/03/99 03/03/99	31632 HA-7-0.5 03/02/99 03/03/99 03/03/99	31633 HA-8-0.5 03/02/99 03/03/99 03/03/99	Detection Limit
Aldrin	ND	ND	ND	ND	2
Alpha-BHC	ND	ND	ND	ND	2
Beta-BHC	ND	ND	ND	ND	2
Chlordane	ND	ND	ND	ND	1.7
4,4' DDD	ND	ND	ND	ND	4
4,4' DDE	ND	ND	ND	ND	4
4,4' DDT	ND	ND	ND	ND	4
Delta-BHC	ND	ND	ND	ND	<u>2</u>
Dieldrin	ND	ND	ND	ND	4
Endosulfan I	ND	ND	ND	ND	2
Endosulfan II	ND	ND	ND	ND	4
Endosulfan Sulfate	ND	ND	ND	ND	4
Endrin	ND	ND	ND	ND	4
Endrin Aldehyde	ND	ND	ND	ND	<u>4</u>
Gamma-BHC(Lindane)	ND	ND	ND	ND	2
Heptachlor	ND	ND	ND	UN.	
Heptachlor Epoxide	ND	ND	ND	ND	4
Methoxychlor	ND	ND	ND	ND	1 /
Toxaphene	ND	ND	ND	ND	T / U

	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
Aldrin	84	77	10
4,4' DDT	112	110	3
Dieldrin	93	86	9
Endrin	94	88	7
Gamma-BHC(Lindane)	77	68	14
Heptachlor	79	73	10



Environmental Testing Services

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Number of Pages: 10

Date Received : 03/04/99 Date Reported : 03/08/99

Attn : Todd Overturf Phone: 949/756-2667

ASL Job Number:

: Shea Homes Project Name

Project Number: 030603766.001.003

Site: Lake Forest

Enclosed are the results of analyses on 17 soil samples analyzed as specified on attached chain of custody.

Checked By

Approved By

LABORATORY DIRECTOR

Environmental Testing Services 3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page \_\_\_

ASL JOB# 4722

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State   Stat	1-1 3	15. N. CA 9	90926	-	92.S.T		Address:	Canada Service Company of the Compan	13:00				
LAB USE ONLY   SAMPLE DESCRIPTION   Assert   Post	ă Á	ecial Instruction:	160	Project ID:	166 974	70.7 Z			1/2 / 1/2 /	Jeny.			
Sample   Date   Time   1 Time   1 Time   1 Time   2 So.   1 C.E.   X X X   X X X   X X X X   X X X X X				Project T	700	و ما	P.O.#:			5			
Lab 10   Sample 10   Date   Time   # Type   Matrix   Preservation   Sal 2	8 _	K-100017		ESCHIPTION		Container(s)	ī		W			Пеп	arks
3-1717         AST-6-0,5         3/3/44 0845         1         S. 1         ICE X X X         X X X           3-1712         AST-4-0.5         0905         1         X X X         X X X           3-1713         AST-4-5         0915         1         X X X         X           3-1714         AST-5-05         0995         1         X X X         X           3-1714         AST-7-5         0995         1         X X X         X           3-1715         AST-7-5         0995         1         X X X         X           3-1715         AST-7-5         0995         1         X X X         X           3-1715         AST-7-5         0995         1         X X X         X           3-1716         AST-8-0.5         1000         3         3         3         3           AST-8-5         Jour Olected By: Al Clin         AST-8-0.5         Jour Olected By: Al Clin         AST-8-0.5         AST-8-	۔ اال <sup>م</sup>			Date	Time		Matrix	Preservation	708 5108			130	
31712   AST-4-0.5   0905	51		AST-6-0,5	3	0845	2	50,1	70	X			2 7	€  -
57-4-3.5  57-4-3.5  57-4-3.5  57-4-3.5  57-7-0.5  57-7-0.5  57-7-5  57-7-5  57-7-5  57-7-5  57-8-3.5  57-8	1		AST 6- S		0855								
31713         AST-5-0.5         0915         1           31713         AST-7-0.5         0935         1           AST-7-0.5         0995         1         X x x x           AST-7-5         0995         1         X x x x           AST-8-0.5         1000         1         X x x x           AST-8-5         Jolo 1         X x x x         X           Relinquished By.         Date         3/3/4y         Time           Resinquished By.         Date         Time         Ast-states	1	21712	AST-4-0.5		2000				X	>			
57-5-0.5 57-7-0.5 57-7-0.5 57-7-0.5 57-7-0.5 57-7-0.5 57-8-0.5 57-	į.		AST-4-S		0915								,
57-5-5  57-7-0.5  57-7-5  57-7-5  57-7-5  57-8-0.5  1000 1  3 3 4 4 3 3 4 4 1 1 me   530   Relinquished By:  Date 3/34y    Time   Received By:  Date 3/34y    Time	Į.	31713	AST-5-0.5		5260				×				
57-7-0,5  57-7-5  57-8-0,5  1000	1	and the second s	155.5		2935								
57-8-0.5   1000   4	1	31714	AST/7-0,5		2940				X				
57-8-0,5  1010  10	1		AST-7-5		2560					<u> </u>			
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Date Time Recently V Jaile 3/4 Illine	ň ·	Collected By: N (S.	The statement of the st	Dati	e 5/3/99	Ì		isrled By://					IA! Nomi
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		Condition of Sample		A CONTRACTOR OF THE PARTY OF TH									

Environmental Testing Services

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--ш∑

The said Yallow Cohmany, Pink - Client

Condition of Sample:

Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

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ASL JOB# 4722

٧ OT. 1000 ROSES. S. Case (l)ince E Care ☐ Normal Remarks K Rush TAT JR 185 生生 ANALYSIS REQUESTED Time Time Date 3 Date X BVidsiA  $\times$ 700 × × 236.36.29  $\overline{\mathbf{x}}$ Preservation &  $\times$  $\times$ X Relinquished By: 少 ( ) P Invoice To: Report To: Matrix Address: Address: <u>-</u> ス P.O.\* 3/3/99 Time 1530 Container(s) Туре ;> CD 032605766,031,003 Time Project Name: Shea Hanes ag rest ₹ 755 125 233 5000 COL 55 588 <u></u> Time 330 340 Date Date SAMPLE DESCRIPTION Site Address: 3/3/99 Project ID: Manager: Date Project PAST-2-0.5 Collected By: W. Glann / B. Frailed PST-1-05 PST-3-0.5 PST-5-0,5 アをドースーク N.X-X-0.5 PST-5-5 PST-1-5 PST-3-5 AIX-3-5 Sample 1D LAB USE ONLY 31725 Relinquished By: 31724 31723 31722 Special Instruction: Lab ID 3172] Company: Telephone: Address: U Ŋ 4 Ū Fax: ⊢ш⋝

White - Report, Yellow - Laboratory, Pink - Client

Condition of Sample:

Environmental Testing Services 3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page -

ASL JOB# 4722

Size Address: Lab. Ford 5 motive To.  Nive 1 - 6 motive To.  Nive 1 - 6 motive To.  Nive Date 3/2/94 Time 153.0 Methods to the Time To.  Size Address: Lab. Ford 5 motive To.  Nive Date 3/2/94 Time 153.0 Methods to the Time To.  Size Br.  Size Address: Lab. Ford 5 motive To.  Nive Date 3/2/94 Time 153.0 Methods to the Time To.  Size Br.  Size Br.  Size Address: Lab. Ford Time 153.0 Motive To.  Size Br.  Size Br.	Company:		Marian		And the state of t	Report To:			ANALYSIS	IS REQUESTED	TED
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31726 Mix-1-05 3/3/99 1335 1 8 5x,1 16 5 X  31727 5EA-1-0.5		Sample 1D	Date	Time		Matrix	Preservation	5108 >8a8	127A		neman
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31727 SEA-1-0.5 1405 11 V V D X X X X X X X X X X X X X X X X X				1350					×		THE N
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Date Time Fortable Date 3/4 Time	Collected By: S. E.	Ellanenspromatorational program grandell to that their program was program of the first transfer of the first	montaine montaine management and the second	3 3/3/90	TIME		shed By:		Date	Time	TAT
	Relinquished By:		Date		Time	Trefag	No. of the second	Y	_	Time	Norm:
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White Open



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No:

4722

030603766.001.003

Project ID: 030603766.
Project Name: Shea Homes

Page: 2

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Attn: Todd Overturf

Site:

Lake Forest

Phone: 949/756-2667

Method:

Matrix: Units:

Lab ID: Sample No: Date Sampled: Date Extracted:

Date Analyzed:

TPH as Diesel

TPH DRO(C13-C22)

(8015M/DHSLUFT) TPH as Diesel Range Organics Soil

mg/kg

31712 31711 AST-4-0.5 03/03/99 AST-6-0.5 03/03/99 03/04/99 03/04/99 03/04/99 03/04/99

31713 AST-5-0.5 03/03/99 03/04/99 03/04/99

AST-7-0.5 03/03/99 03/04/99 03/04/99

31714

Detection Limit

ND ND ND

	Quality Co	ontrol Report			
Lab ID:	31711	31712	31713	31714	4M. 100 4 50 4 5 50 10 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Surrogate %REC. Chlorobenzene	105	84	84	84	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD		
Thu as Diesel	95	95	< 1		



Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No:

4722

030603766.001.003

Project ID: Project Name: Shea Homes

Page: 3

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave.

Irvine, CA 92606-4918

Site:

Lake Forest

Attn: Todd Overturf

Phone: 949/756-2667

Method:

Matrix:

Units:

Lab ID:

Sample No: Date Sampled:

Date Extracted: Date Analyzed:

TPH DRO(C13-C22)

(8015M/DHSLUFT)

TPH as Diesel Range Organics

Soil mg/kg

> 31715 AST-9-0.5 AST-8-0.5 03/03/99

03/03/99 03/04/99 03/04/99 03/04/99 03/04/99

31727 SEA-1-0.5 03/03/99 03/04/99 03/04/99

Detection Limit

ND

31716

ND 10

	Quality C	ontrol Report		
Lab ID:	31715	31716	31727	
Surrogate %REC. Chlorobenzene	82	85	84	18 33
	Spike %REC.	Spike DUP. %REC.	AVG. RPD	
TPH as Diesel	95	95	< 1	



Environmental Testing Services

### ANALYTICAL RESULTS

Site:

ASL Job No:

4722

030603766.001.003

Project ID: Project Name: Shea Homes

Page: 4

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Lake Forest

Attn: Todd Overturf

Phone: 949/756-2667

Method: Matrix: Units:	[8015MOD/8020 TPH as Gasoli Soil ug/kg	] .ne/BETX & MTE	ΒE		
Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:	31711 AST-6-0.5 03/03/99 03/04/99 03/04/99	31712 AST-4-0.5 03/03/99 03/04/99 03/04/99	31713 AST-5-0.5 03/03/99 03/04/99 03/04/99	31714 AST-7-0.5 03/03/99 03/04/99 03/04/99	Detection Limit
Benzene Ethylbenzene Toluene Xylenes(Total) MTBE TPH as Gasoline	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND ND	5 5 5 10 20 1.0(mg/Kg)

	Quality (	Control Report			
Lab ID:	31711	31712	31713	31714	
Surrogate %REC. Bromofluorobenzene	98	99	93	95	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD		
Benzene Toluene	100 97	98 95	2 2.1		



Environmental Testing Services

### ANALYTICAL RESULTS

030603766.001.003

ASL Job No: 4722
Project ID: 030603766.
Project Name: Shea Homes

Page: 5

Report To: (MCLH) McLaren Hart

16755 Von Karman Ave. Ste 200 Irvine, CA 92606-4918

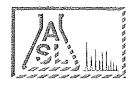
Attn: Todd Overturf

Lake Forest

Phone: 949/756-2667

Method: Matrix: Units:	[8015MOD/8020 TPH as Gasoli Soil ug/kg		E	
Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:	31715 AST-8-0.5 03/03/99 03/04/99 03/04/99	31716 AST-9-0.5 03/03/99 03/04/99 03/04/99	31727 SEA-1-0.5 03/03/99 03/04/99 03/04/99	Detection Limit
Benzene Ethylbenzene Toluene Xylenes(Total) MTBE TPH as Gasoline	ND ND ND ND ND ND	ND ND ND ND ND ND	ND ND ND ND ND ND	5 5 5 10 20 1.0 (mg/Kg)

	Quality 0	Control Report	
Lab ID:	31715	31716	31727
Surrogate %REC. Bromofluorobenzene	93	99	70
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene Toluene	100 97	98 95	2 2.1



### Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No:

4722

030603766.001.003

Project ID: Project Name: Shea Homes

Page: 6

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Attn: Todd Overturf

Site:

Lake Forest

Phone: 949/756-2667

Method:

Matrix: Units:

Lab ID:

Sample No:

Date Sampled: Date Extracted:

Date Analyzed:

(6010A.ZN) Zinc (ICP) Soil

mg/kg

31719 PAST-1-0.5

03/03/99 03/05/99

03/05/99

31725 PAST-2-0.5

03/03/99 03/05/99 03/05/99

Detection Limit

Zinc, Total

19.8

20.9

0.50

Quality Control Report

LCS %REC.

Zinc, Total

94



### Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No: Project ID:

4722

030603766.001.003

Project Name: Shea Homes

Page: 7

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Irvine, CA 92606-4918 Ste 200

Attn: Todd Overturf

Site:

Lake Forest

Phone: 949/756-2667

Method:

Matrix:

Units:

(8080)

Organochlorine Pesticides

Soll

ug/kg

Lab ID: Sample No: Date Sampled: Date Extracted:

Date Analyzed:

31711 AST-6-0.5 03/03/99 03/05/99

03/05/99

31712 AST-4-0.5 03/03/99 03/05/99 03/05/99

ND

ND

ND

ND

ЙĎ

ND

ΝĎ

ND

ΝĎ

31713 AST-5-0.5 03/03/99 03/05/99 03/05/99

ND

ND

ND

ND

ND

ND

ND

ND

31714 AST-7-0.5 03/03/99 03/05/99 03/05/99

ΝĎ

ND

ΝĎ

Ν̈́D

ΝĎ

ΝĎ

ND

Detection Limit

Aldrin Alpha-BHC Beta-BHC Chlordane 4,4' DDD 4,4' DDE 4,4' DDT Delta-BHC Dieldrin Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Endrin Aldehyde Gamma-BHC (Lindane) Heptachlor Heptachlor Epoxide Methoxychlor

Toxaphene

ND ND ND ND ND Ν̈́D ND ND Ν̈́Ď ND ND ND ND ΝĎ

Ν̈́D

ND

ND

ND

ND

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170

	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
Aldrin 4,4' DDT Dieldrin Endrin Gamma-BHC(Lindane) Heptachlor	106 139 104 136 104 109	104 135 104 136 104 106	2 3 < 1 < 1 < 3



### Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No:

030603766.001.003

Project ID: Project Name: Shea Homes Page: 8

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200

Irvine, CA 92606-4918

Site:

Lake Forest

Phone: 949/756-2667

Attn: Todd Overturf

Method:

(8080)

Organochlorine Pesticides

Soil ug/kg

Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:

Matrix:

Units:

31715 AST-8-0.5 03/03/99 03/05/99

03/05/99

31716 AST-9-0.5 03/03/99 03/05/99 03/05/99

ND

ND

ND

ΝĎ

31717 PST-2-0.5 03/03/99 03/05/99 03/05/99

ND

ND

ΝĎ

ND

31718 PST-4-0.5 03/03/99 03/05/99

03/05/99

ND

ND

ND

ΝĎ

Detection Limit

Aldrin Alpha-BHC Beta-BHC Chlordane 4,4' DDD 4,4' DDE 4,4' DDT Delta-BHC Dieldrin Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Endrin Aldehyde Gamma-BHC (Lindane)

Heptachlor Epoxide

Heptachlor

Toxaphene

Methoxychlor

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	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
Aldrin 4,4' DDT Dieldrin Endrin Gamma-BHC(Lindane) Heptachlor	106 139 104 136 104 109	104 135 104 136 104 106	2 3 < 1 < 1 < 1



## AMERICAN SCIENTIFIC LABORATORIES, LLC Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No: Project ID: 4722

030603766.001.003

Project Name: Shea Homes

Page: 9

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200 Irvine, CA 92606-4918

Attn: Todd Overturf

Site:

Lake Forest

Phone: 949/756-2667

Method:

Matrix:

Units:

(8080)

Organochlorine Pesticides

Soil

ug/kg

Lab ID: Sample No: Date Sampled: Date Extracted: Date Analyzed:

31720 MIX-2-0.5 31721 MIX-3-0.5 03/03/99 03/03/99 03/05/99 03/05/99 03/05/99 03/05/99

PST-1-0.5 03/03/99 03/05/99 03/05/99

31722

PST-3-0.5 03/03/99 03/05/99 03/05/99

31723

Detection Limit

170

Aldrin Alpha-BHC Beta-BHC Chlordane 4,4' DDD 4,4' DDE 4,4' DDT Delta-BHC Dieldrin Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Endrin Aldehyde Gamma-BHC (Lindane) Heptachlor Heptachlor Epoxide Methoxychlor Toxaphene

	ND	ND	ND	ND	
	ND	ND	ND	ND	
	ND	ND	ND	ND	
	ND	ND	ND	ND	1
	ND	ND	ND	ND	4
	ND	ND	ND	ND	
	ND	ND	ND	ND	4
	ND	ND	ND	ND	
	ND	ND	ND	ND	4
	ND	ND	ND	ND	
	ND	ND	ND	ND	4
	ND	ND	ND	ND	4
.,	ND	ND	ND	ND	
	ND	ND	ND	ND	<u>4</u>
	ND	ND	ND	ND	
	ND	ND	ND	ND	
	ND	ND	ND	ND	
	ND	ND	ND	ND	

	Spike	Spike DUP.	AVG
	%REC.	%REC.	RPD
Aldrin 4,4' DDT Dieldrin Endrin Gamma-BHC(Lindane) Heptachlor	106 139 104 136 104 109	104 135 104 136 104 106	2 3 < 1 < 1 < 3



### AMERICAN SCIENTIFIC LABORATORIES, LLC Environmental Testing Services

### ANALYTICAL RESULTS

ASL Job No: Project ID: 4722

030603766.001.003

Project Name: Shea Homes

Page: 10

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave. Ste 200 Irvine, CA 92606-4918

Attn: Todd Overturf

Site:

Lake Forest

Phone: 949/756-2667

Method:

(8080)

Organochlorine Pesticides

Soīl

ug/kg

Units: Lab ID:

Matrix:

Sample No: Date Sampled:

Date Extracted: Date Analyzed:

31724 PST-5-0.5 31726 MIX-1-0.5

03/03/99 03/03/99

03/05/99 03/05/99 03/05/99 03/05/99

Detection Limit

170

Aldrin Alpha-BHC Beta-BHC Chlordane 4,4' DDD 4,4' DDE 4,4 DDT Delta-BHC Dieldrin

Endosulfan I Endosulfan II Endosulfan Sulfate Endrin

Endrín Aldehyde Gamma-BHC(Lindane)

Heptachlor Heptachlor Epoxide

Methoxychlor Toxaphene

LUM	ND	2
ND	ND	2
ND	ND	17
ND	ND	4
ND	ND	4
ND	ND	4
ND	ND	2
ND	ND	4
ND	ND	2
ND	ND	4
ND	ND	4
 ND	ND	4
ND	ND	4
ND	ND	2
ND	ND	2
ND	ND	2
ND	ND	17

ND

	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
Aldrin	106	104	2
4,4' DDT	139	135	3
Dieldrin	104	104	< 1
Endrin	136	136	< 1
Gamma-BHC(Lindane)	104	104	< 1
Heptachlor	109	106	3